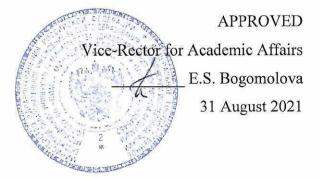
Federal State Budgetary Educational Institution of Higher Education "Privolzhsky Research Medical University" Ministry of Health of the Russian Federation



WORKING PROGRAM

Name of the academic discipline: ACTUAL QUESTIONS IN SURGARY (ELECTIVE DISCIPLINE)

Specialty: 31.05.01 GENERAL MEDICINE

Qualification: GENERAL PRACTITIONER

Department: FACULTY OF SURGERY AND TRANSPLANTOLOGY

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 36 academic hours

Nizhny Novgorod 2021 The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.01 GENERAL MEDICINE, approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

Developers of the working program:

Zagainov Vladimir Evgenievich, Doctor of Medical Sciences, Professor, Head of the Department of Faculty Surgery and Transplantology

The program was reviewed and approved at the department meeting (protocol No. 10, June 1, 2021)

Head of the Department, MD, Professor Zagainov V. E.

(signature) (print name)

June, 1 2021

AGREED Deputy Head of the EMA

L.V. Lovzova (signature)

June, 1_____ 2021

1. The purpose and objectives of mastering the academic discipline in-depth study and development of the main theoretical and practical sections of general surgery, acquisition of key competencies in the diagnosis, treatment, prevention of surgical diseases and rehabilitation of patients necessary to determine the main surgical syndromes and provide medical care to patients with a surgical profile.

1.1. The purpose of mastering the discipline: (*participation in forming the relevant competencies*).

- Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy (UC-1)

- Able to analyze and take into account the diversity of cultures in the process of crosscultural interaction (UC-5)

- 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 (UC-8)

- 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 up a plan for laboratory and instrumental examinations of the patient (PC-5)

- 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 medical care, clinical recommendations (treatment protocols) on providing medical care taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care delivery taking into account the standards of medical care delivery taking into account the standards of medical care (PC-6)

- Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non-drug treatment taking into account the diagnosis, age and clinical picture in accordance with 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 (PC-8)

- 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: analyze 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 (PC-21)

- Able to: maintain medical records, also in the electronic form in the MIS (PC-22)

1.2. Tasks of the discipline:

As a result of completing the discipline, the student should

Know:

- rules for issuing and maintaining medical records (outpatient card, inpatient card);

- methods of examining a surgical patient (analysis of complaints, finding out the history of the disease and life history, conducting a physical examination of the patient, local examination of the pathological focus);

- clinical manifestations of the main surgical syndromes (bleeding, hemorrhagic shock, wounds, thermal injuries, fractures and dislocations, inflammation, endogenous intoxication syndrome in surgery);

- clinical symptoms of damage to the musculoskeletal system, chest, abdominal cavity, pelvic cavity, head and cranial cavity, method for determining the area of the burnt surface, features of applying dressings for burn disease and cold injury;

- features of providing first aid to victims in emergency situations and disasters in wartime and peacetime, in case of a road injury, electrical injury;

- rules and procedure for performing medical manipulations (subcutaneous injections, intramuscular injections, intravenous injections, preparation of the system for intravenous infusions);

- methods of surgical processing of hands;

- rules for sterilization of materials and instruments, direct and indirect quality control of sterilization;

- a list of disinfectant solutions and antiseptics used in the work of the surgical hospital;

- rules for the storage of blood, blood components and blood substitutes;

- rules and procedures for transfusion of blood, blood components and blood substitutes;

- rules for applying transport tires, hemostatic tourniquet, bandage bandages, plaster bandages;

- rules for emergency prophylaxis of tetanus.

Be able to:

- examine the patient with various traumatic injuries, with purulent-septic conditions (analysis of complaints, clarification of the history of the disease and life history, physical examination of the patient, local examination of the pathological focus);

- to formulate the diagnosis and determine the plan of surgical actions;

- determine the indications, contraindications and timing of the operation;

- complete the medical history;

- identify life-threatening disorders in bleeding;

- to determine the presence of a fracture, dislocation, free gas in the abdominal cavity, hydropneumothorax by x-ray;

- provide first aid in emergency situations and first medical aid in the lesions in emergency situations;

- before surgery or surgical procedures, perform surgical treatment of hands, put on a surgical gown, sterile gloves, change sterile gloves independently and with the help of a nurse;

- to process the surgical field with antiseptic solutions;

- prepare and fill the system for intravenous infusions;

- evaluate the suitability of blood and its preparations for transfusion, determine the blood type, conduct tests for compatibility during transfusion of blood and blood components;

- carry out the imposition of transport tires, hemostatic tourniquet, bandage bandages, plaster bandages;

- inject medications through drains and microirrigators;

- prepare instruments for primary wound treatment, secondary wound treatment, skeletal traction;

- perform instrumental dressing of wounds (clean and purulent), remove sutures;

- carry out emergency prophylaxis of tetanus.

Possess:

- correct maintenance of medical records;

- methods of general clinical examination;

- skills of interpreting the results of laboratory, instrumental diagnostic methods;
- an algorithm for a detailed clinical diagnosis;

- the main medical diagnostic and therapeutic methods for providing first aid in emergency and life-threatening conditions;

- the skills of stacking biks, assessing the sterility of materials in biks;

- skills of surgical treatment of hands;

- the skills of putting on a sterile gown, sterile gloves, changing sterile gloves;
- skills of processing the surgical field with antiseptic solutions;
- skills in preparing and filling the system for intravenous infusions;

- the skills of determining the blood group, conducting tests for compatibility during the transfusion of blood and blood components;

- the skills of applying transport tires, a hemostatic tourniquet, bandage bandages, plaster bandages;

- skills in preparing instruments for primary wound treatment, secondary wound treatment, skeletal traction;

- skills of instrumental dressing of wounds (clean and purulent), removal of sutures;

- skills in the prevention and treatment of bedsores.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline Actual questions in surgary (elective discipline) refers to the variable part of Block 1 of GEP HE, Specialty 31.05.01 General Medicine

The discipline is taught in _5____ semester/__3___ year of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

1. Biology

- 2. Anatomy
- 3. Biochemistry
- 4. Surgical Nursing
- 5. Histology, Embryology, Cytology
- 6. Normal Physiology
- 7. Virology, Microbiology
- 8. Topographic Anatomy and Operative Surgery

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

- 1. Surgical diseases
- 2. Faculty surgery
- 3. Hospital surgery
- 4. Anesthesiology, resuscitation, intensive care

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

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

	Competen	The content of the	Code and name of		of mastering the students sho	the discipline, ould:
N⁰	ce code	competence (or its part)	the competence acquisition metric	know	be able to	possess

1	UC-1	Able to carry out a	IUC 1.1 Knows:	methods of	gain new	Has practical
1.	00-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	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	ritical analysis and evaluation of modern scientific achievements ; 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	ras 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	professional problems IUC 5.1 Knows: the main categories of philosophy, the laws of historical development IUC 5.2 Able to: competently, intelligibly present professional 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, ethno- cultural, confessional features	the main categories of philosophy, the laws of historical development, the basics of intercultural communicati on; the basic concepts of human interaction in the organization	competently, intelligibly present professional information in the process of intercultural interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethno- cultural, confessional features	Has practical experience in: productive interaction in the professional environment taking into account national, ethno- cultural, 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	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	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	Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with

						6
		development of	activities, create and		conditions in	safety
		society, including in	maintain safe living		everyday and	regulations at
		the case of a threat	conditions in everyday		professional life	the workplace
		and occurrence of	life and in professional		me	
			activities			
		emergency	IUC 8.3 has practical			
		situations and	experience:			
		military	participation in planned			
		conflicts	exercises to develop rules of conduct in case			
			of emergencies, first aid: complies with			
			aid: complies with safety regulations at the			
			workplace			
4.	PC-5	Able to collect	IPC 5.1 Knows:	the	collect	collection of
4.	PC-5		Legislation of the	legislation of	complaints,	complaints,
		complaints,	Russian Federation in	the Russian	anamnesis of	anamnesis of
		anamnesis of the	the field of health care,	Federation in	life and	life and disease
		patient's life and		the field of	disease of the	of the patient; a
		illness, conduct a	regulatory legal acts and other documents that	health care,	patient and	complete
		,	determine the activities	regulations	analyze the	physical
		complete physical	of medical	and other	information	examination of
		examination of the	organizations and	documents	received;	the patient
		patient	medical workers;	that	conduct a	(examination,
		(examination,	method of collecting	determine	complete	palpation,
		palpation,	complaints, anamnesis	the activities	physical	percussion,
		percussion,	of life and disease of the	of medical	examination	auscultation);
		-	patient; a technique for	organizations	of the patient	formulating a
		auscultation),	a complete physical	and	(examination	preliminary
		formulate a	examination of the	healthcare	, palpation,	diagnosis and
		preliminary	patient (examination,	workers;	percussion,	drawing up a
		diagnosis and draw	palpation, percussion,	method of	auscultation)	plan for
		up a plan for	auscultation); etiology,	collecting	and interpret	laboratory and
		laboratory and	pathogenesis and	complaints,	its results;	instrumental
		, i i i i i i i i i i i i i i i i i i i	pathomorphology,	anamnesis of	determine	examinations of
		instrumental	clinical picture,	life and	the sequence	the patient
		examinations of the	differential diagnosis,	disease of the	of volume,	I
		patient	course features,	patient; a	content and	
		1	complications and	technique for	sequence of	
			outcomes of diseases of	a complete	diagnostic	
			internal organs;	physical	measures	
			regularity and	examination	incl. modern	
			functioning of a healthy	of the patient	digital	
			human body and	(examination	technologies	
			mechanisms for	, palpation,		
			ensuring health from the	percussion,		
			standpoint of the theory	auscultation);		
			of functional systems;	etiology,		
			features of the	pathogenesis		
			regulation of the	and		
			functional systems of	pathomorpho		
			the human body in	logy, clinical		
			pathological processes;	aspect,		
			methods of laboratory	differential		
			and instrumental studies	diagnosis,		
			for assessing the state of	clinical		
			health, medical	features,		
			indications for research,	complication		
			rules for interpreting	s and		
			their results	outcomes of		
			IPC 5.2 Able to: collect	diseases of		
			complaints, anamnesis of life and disease of the	internal		

	[natient and analyze the	natterns of	[[]
			patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures	patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigation s, rules for interpreting their results		
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 medical care, clinical recommendations (treatment protocols) on providing medical care taking into	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 the provision of medical care, standards of medical care IPC 6.2 Able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of	general issues of organizing medical care for the population, methods of laboratory and instrumental examinations to assess the state of health, medical indications for conducting examinations , rules for interpreting their results; procedures for the	justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical	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 protocols) on the provision of medical care, taking into account the standards of medical care; referral of a patient for an

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		account the	instrumental examination of the	provision of medical care,	indications for the	instrumental examination if
1		standards of	patient; justify the need	clinical	provision of	there are
		medical care, and	to refer the patient for	recommendat	emergency,	medical
		also refer the	consultations to	ions	including	indications in
1		patient for	specialist doctors;	(treatment	emergency	accordance with
		providing	determine medical	protocols) on	specialized,	the current
		specialized medical	indications for the	the provision	medical care	procedures for
		-	provision of an	of medical		the provision of
		care in an inpatient	ambulance, including	care,		medical care,
		setting or in a day	other specialized	standards of		clinical
		hospital if there are	ambulance, medical	medical care		recommendatio
		medical indications	care			ns and
		in accordance with				(treatment
		the current				protocols) on
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		medical care				medical care, taking into
						account the
		delivery, clinical				standards of
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		protocols) on the				patient for a
		medical care				consultation
		delivery taking into				with specialist
		account the				doctors if there
		standards of				are medical
		medical care				indications in accordance with
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						medical care,
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						the provision of medical care,
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						account the
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						patient for
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						other medical
						care in an
						inpatient setting or in a day
1						hospital setting,
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1						indicated, in
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6. PC-8 Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices and clinical prescribe medicine, medical devices and clinical protectors for the diagnosis, age and clinical pricture in accordance with the current procedures for the medical care dimical and clinical pricture delivery, clinical recommendations of medical care, clinical recommendations to medical care, clinical recommendations to medical acre, clinical recommendations to the provision of medical care, clinical recommendations to the protocols on the dictican set and protocols on the dictican set and to account the standards of indications to the protocols on the precri medician set and therapeutic andidication	
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7.	PC-20	Able to draw up a work plan and a report on its work, issue a passport of a medical (therapeutic) locality	IPC 20.1 knows: 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 IPC 20.2 able to: draw up a work plan and a 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	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; medical and statistical indicators of morbidity,	draw up a work plan and a 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	methods of reporting and discussions, collection, analysis, processing and systematization of information

				disability and mortality characterizin g the health of the population, the procedure for their calculation and evaluation		
8.	PC-21	Able to: analyze 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	IPC 21.1 knows: medical and statistical 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	medical and statistical indicators of morbidity, disability and mortality characterizin g health of the assigned population, the order of their calculation and evaluation	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	methods of general clinical 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	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	fill out medical documentatio n 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

	personal data of patients and information constituting a medical secret; use in professional activities information systems and information telecommunications network "Internet"	registration of medical documentatio n in medical organizations providing outpatient medical care including medical worker's home visits		
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4. Sections of the academic discipline and competencies that are formed when mastering them

N⁰	Competen ce code	Section name of the discipline	The content of the section in teaching units
1	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Emergency Abdominal Surgery	Acute appendicitis Diseases of the liver and biliary tract Diseases of the pancreas Diseases of the stomach and duodenum Diseases of the intestines and mesentery Strangulated hernia Abdominal trauma
2	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Coloproctology	Diseases of the small intestine and colon Diseases of the rectum and perianal region
3	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Surgical infection	General principles for the treatment of purulent wounds Infections of the skin and subcutaneous tissue Infections of bones and joints Surgical sepsis Peritonitis Infections of the glandular organs Diabetic foot syndrome
4	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Plan surgery	Hernias Diseases of the liver, gallbladder and biliary tract Diseases of the esophagus, stomach and duodenum Diseases of the pancreas Minimally invasive surgery

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor i	ntensity	Labor inten	sity (AH) in semesters
	volume in	volume in		
	credit units	academic	5	
	(CU)	hours (AH)		
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				

TOTAL LABOR INTENSITY	1	36	36				
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6. Content of the academic discipline

N⁰	Name of the section of the		Types of academic work* (in AH)				
	academic discipline	L	LP	Р	S	SIW	total
1	Emergency Abdominal Surgery	2		4		4	10
2	Coloproctology	1		4		2	7
3	Surgical infection	1		4		4	9
4	Plan surgery	2		4		4	10
5	credit						
	TOTAL	6		16		14	36

6.1 Sections of the discipline and types of academic work

* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:6.2.1 Thematic schedule of lectures

N⁰	Name of lecture topics	Volume in AH	
		semester 5	
1	Emergency Abdominal Surgery	2	
2	Coloproctology	1	
3	Surgical infection	1	
4	Plan surgery	2	
	TOTAL (total - AH) 6		

6.2.2. The thematic plan of laboratory practicums

Curriculum not included.

6.2.3.	Thematic	plan	of	practicals
0.2.5.	Incinatio	pium	O1	practicals

N⁰	Name of the topics of practicals	Volume in AH
		semester 5
1	Acute appendicitis. Diseases of the liver and biliary tract Diseases of the pancreas. Diseases of the stomach and duodenum.	2
2	Diseases of the intestines and mesentery. Strangulated hernias. Abdominal injury.	2
3	Diseases of the small intestine and colon.	2
4	Diseases of the rectum and perianal region.	2
5	General principles of treatment of purulent wounds. Infections of the skin and subcutaneous tissue. Bone and joint infections. surgical sepsis.	2
6	Peritonitis. Infections of the glandular organs. Diabetic Foot Syndrome	2

7	Hernias. Diseases of the liver, gallbladder and biliary tract. Diseases of the pancreas.	2	
8	Diseases of the esophagus, stomach and duodenum.	2	
	Minimally invasive surgery. Credit.		
	TOTAL (total - AH) 16 AH	16	

6.2.4. Thematic plan of seminars

Curriculum not included.

6.2.5. Types and topics of student's individual work (SIW)

N⁰	Types and topics of SIW	Volume in AH		
		semester 5		
1	Emergency Abdominal Surgery	4		
2	Coloproctology	2		
3	Surgical infection	4		
4	Plan surgery. Credit.	4		
	TOTAL (total - AH) 14	14		

7. Types of assessment formats for ongoing monitoring and mid-term assessment

					0	Assessmen		
№	Se mes ter No.	Types of	control	Name of section of academic discipline	Competence codes	types	number of test questions	number of test task options
1.	5	Current monito ring	Control of mastering the topic	 Emergency Abdominal Surgery Coloproctolog Surgical infection Plan surgery 	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Abstract writing. Presenta tion with a report. Writing a medical history. Entrance testing. Role and business games.	50	5
		IIIIg	Monitoring the student's individual work	 Emergency Abdominal Surgery Coloproctolog Surgical infection Plan surgery 	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Test. Themati c testing. Solving thematic ally their situation al problem s. Role and business games.	50	10

2.	5	Mid- term assess ment	Credit	 Emergency Abdominal Surgery Coloproctolog Surgical infection Plan surgery 	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Final testing. Solution of situation al problem s.	50	5
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8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

N⁰	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	General surgery: textbook / V. K. Gostishchev 5th	1	30
	ed., revised. and additional - M.: GEOTAR-Media, 2015.		
2	General surgery: textbook / Petrov S.V 4th ed., revised. and additional - M.: GEOTAR-Media, 2012.	1	30
3	Operative surgery: a textbook on manual skills / ed. A. A. Vorobiev, I. I. Kagan M.: GEOTAR-Media, 2015.	1	30
4	Surgical diseases. Volume 1: textbook / Ed. V.S. Savelyeva, A.I. Kirienko - M.: GEOTAR-Media, 2009.	1	30
5	Surgical diseases. Guide to practical exercises: textbook / Ed. A.F. Chernousov M.: GEOTAR- Media, 2012.	1	30
6	Medical diagnostic methods: textbook / Kukes V.G., Marinina V.F. etc M.: GEOTAR-M	1	30

8.2. Further reading

-	0.2. I urtifici readilitg		
N⁰	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Military field surgery: hands. to pract. occupations /	1	5
	Ed. M.V. Lysenko - M.: GEOTAR-Media, 2010		
2	Military field surgery of local wars and armed	1	5
	conflicts: a guide / Ed.		
	E.K. Gumanenko, I.M. Samokhina - M.: GEOTAR-		
	Media, 2011		
3	Topographic anatomy and operative surgery In 2 vols.	1	5
	Vol. 1: textbook / ed. I.I.		
	Kagan, I. D. Kirpatovsky - M.: GEOTAR-Media, 2013		
4	Surgical diseases and injuries in general medical	1	5
	practice / Sukovatykh B.S., Sumin S.A., Gorshunova		
	N.K M. : GEOTAR-Media, 2013		
5	History of medicine and surgery / Mirsky M.B M.:	1	5
	GEOTAR-Media, 2010.		

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

N⁰	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
	Internal Electronic Library System of the University (IELSU)	Proceedings of PIMU staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	•	Not limited

8.3.2. Electronic educational resources acquired by the University

N⁰	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Database "Medicine. Healthcare (VO) and "Medicine. Healthcare (SPO)" as part of the database "Electronic library of a technical university (ELS "Student Consultant"	Textbooks and teaching aids for higher medical and pharmaceutical education	Accessbyindividualloginandpasswordfromanycomputerandmobiledevice	Not limited
2	Database «Doctor's Consultant. Electronic Medical Library»	National guidelines, clinical guidelines, textbooks, monographs, atlases, reference books, etc.	Access by individual login and password from any computer and mobile device	Not limited
3	Database "Electronic Library System "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translated editions. The collection of subscription publications is formed point by point.	Access by individual login and password from any computer and mobile device	Not limited
4	Electronic periodicals in the database "SCIENTIFIC ELECTRONIC LIBRARY eLIBRARY"	Electronic medical journals	Access - from the computers of the university	Not limited

8.3.3 Open access resources

N⁰	Name of the electronic resource	Brief description (content)	Access conditions
1	EBS "Urayt". Access mode: http://biblio-online.ru.	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited
2	EBS "Student Advisor". Access mode: http://www.studentlibrary.ru.	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited
3	EBS "Lan". Access mode: http://e. www.lanbook.com/.	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited
4	EBS "Znanium.com". Access mode: www.znanium.com.	Textbooks and teaching aids for higher medical and	Not limited

pharmaceutical education

9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Lecture hall

2. Study rooms (5)

3. Departments of a clinical hospital with wards for patients (two surgical departments with 30 beds each)

4. Reception department for emergency and planned patients

5. Operating block with intensive care and intensive care units

6. Treatment and dressing rooms

7. Diagnostic departments and offices: radiation diagnostics, ultrasound, endoscopic department, laboratory departments, blood transfusion department

9.2. List of equipment for classroom activities for the discipline

- 1. Surgical instruments, devices, high-tech equipment (bases of the department)
- 2. Multimedia complex (laptop, projector, screen)
- 3. Kodascope
- 4. PC with Internet access

5. Sets of slides, tables, multimedia visual materials, videos on the topics of lectures and practical exercises

9.3. A set of licensed and freely distributed software, including domestic production

	Software	number	Type of software	Manufacture	Number in	Contract No.
Ite		of		r	the unified	and date
m		licenses			register of	
no.					Russian	
					software	
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovic h	1960	2471/05-18 from 28.05.2018
	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLO GIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
]	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscriptio n	
5	Yandex. Browser		Browser	«Yandex»	3722	
] 1]	Subscription to MS Office Pro for 170 PCs for FGBOU VO	170	Office	Mionosoft		23618/HN100 30 LLC "Softline Trade" from
	"PIMU" of the	170	Application	Microsoft		04.12.202

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education "Privolzhsky Research Medical University" Ministry of Health of the Russian Federation (FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of faculty of surgery and transplantology

CHANGE REGISTRATION SHEET

working program for the academic discipline ACTUAL QUESTIONS IN SURGARY (ELECTIVE DISCIPLINE)

Field of study / specialty / scientific specialty: 31.05.01 GENERAL MEDICINE _

Training profile: _

(name) - for master's degree programs

Mode of study: FULL-TIME

full-time/mixed attendance mode/extramural

(code, name)

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting	
Protocol Noof	20

Head of the Department faculty			
of surgery and transplantology			
MD, Professor Zagainov V. E.		/	
department name, academic title	signature	print name	