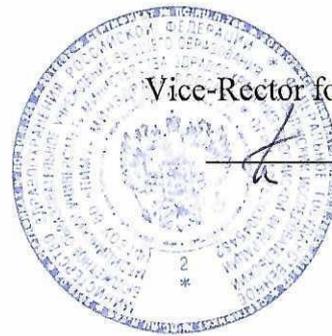


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

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.

 (print name)

(signature)

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 cross-cultural 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 (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 surgery (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

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				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 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	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 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 communication; 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

		development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	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		conditions in everyday and professional life	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 up a plan for laboratory and instrumental examinations of the patient	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, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; regularity and 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 studies for assessing the state of health, medical indications for research, rules for interpreting their results IPC 5.2 Able to: collect complaints, anamnesis of life and disease of the	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 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, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs;	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, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures incl. modern digital technologies	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 laboratory and instrumental examinations of the patient

			<p>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</p>	<p>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 investigations, rules for interpreting their results</p>		
5.	PC-6	<p>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</p>	<p>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</p>	<p>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</p>	<p>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 for consultations with specialist doctors; determine medical</p>	<p>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</p>

		<p>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</p>	<p>instrumental examination of the patient; justify the need to refer the patient for consultations to specialist doctors; determine medical indications for the provision of an ambulance, including other specialized ambulance, medical care</p>	<p>provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care</p>	<p>indications for the provision of emergency, including emergency specialized, medical care</p>	<p>instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; referral of a patient for a consultation with specialist doctors if there are medical 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 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</p>
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						medical care, taking into account the standards of care
6.	PC-8	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	IPC 8.1 Knows: modern methods of using medicines, medical devices and clinical nutrition for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the 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 use; 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	modern methods of using medicines, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for medical care, clinical recommendations (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 contraindications to their use; complications 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 recommendations	draw up a treatment plan for the disease and the patient's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (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 recommendations (treatment protocols) on the provision of medical care taking	development of a treatment plan for a disease or condition, taking into account the diagnosis, age and clinical picture 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: 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

			(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 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, taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition	(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 contraindications to its prescription; side effects, complications caused by its use	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 current medical care procedures, clinical recommendations (treatment protocols) on issues related to 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 therapeutic nutrition	the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; assessment of the effectiveness and safety of the use of medicines, medical devices, clinical nutrition and other methods of treatment
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 characterizing 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 characterizing 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 telecommunication network "the Internet"; rules for	fill out medical documentation 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 telecommunication 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 documentation 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

№	Competence 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 intensity		Labor intensity (AH) in semesters			
	volume in credit units (CU)	volume in academic 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						

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

6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	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

* - 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

№	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

№	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. Minimally invasive surgery. Credit.	2	
	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)

№	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

№	Semester No.	Types of control	Name of section of academic discipline	Competence codes	Assessment formats		
					types	number of test questions	number of test task options
1.	5	Control of mastering the topic	1. Emergency Abdominal Surgery 2. Coloproctology 3. Surgical infection 4. Plan surgery	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Abstract writing. Presentation with a report. Writing a medical history. Entrance testing. Role and business games.	50	5
		Monitoring the student's individual work	1. Emergency Abdominal Surgery 2. Coloproctology 3. Surgical infection 4. Plan surgery	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Test. Thematic testing. Solving thematically their situational problems. Role and business games.	50	10

2.	5	Mid-term assessment	Credit	1. Emergency Abdominal Surgery 2. Coloproctology 3. Surgical infection 4. Plan surgery	UC-1, 5, 8 PC-5, 6, 8, 20, 21, 22	Final testing. Solution of situational problems.	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

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	General surgery: textbook / V. K. Gostishchev. - 5th ed., revised. and additional - M.: GEOTAR-Media, 2015.	1	30
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

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Military field surgery: hands. to pract. occupations / Ed. M.V. Lysenko - M.: GEOTAR-Media, 2010	1	5
2	Military field surgery of local wars and armed conflicts: a guide / Ed. E.K. Gumanenko, I.M. Samokhina - M.: GEOTAR-Media, 2011	1	5
3	Topographic anatomy and operative surgery In 2 vols. Vol. 1: textbook / ed. I.I. Kagan, I. D. Kirpatovsky - M.: GEOTAR-Media, 2013	1	5
4	Surgical diseases and injuries in general medical practice / Sukovatykh B.S., Sumin S.A., Gorshunova N.K. - M. : GEOTAR-Media, 2013	1	5
5	History of medicine and surgery / Mirsky M.B. - M.: GEOTAR-Media, 2010.	1	5

8.3. Electronic educational resources for teaching academic subjects

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

<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
	Internal Electronic Library System of the University (IELSU)	Proceedings of PIMU staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	Access by individual login and password from any computer and mobile device	Not limited

8.3.2. Electronic educational resources acquired by the University

<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
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	Access by individual login and password from any computer and mobile device	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

<i>№</i>	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>
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 "Znaniy.com". Access mode: www.znaniy.com .	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited

	pharmaceutical education	
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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

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	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 TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the	170	Office Application	Microsoft		23618/HN100 30 LLC "Softline Trade" from 04.12.2020

Ministry of Health of Russia					
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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 _____
 (code, name)

Training profile: _____
 (name) - for master's degree programs

Mode of study: FULL-TIME
full-time/mixed attendance mode/extramural

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 No. _____ of _____ 20__

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