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**Khanty-Mansiysk Autonomous Region – Ugra**  
 "Surgut State University"

Approved by  
 Deputy Rector for Academic

\_\_\_\_\_ E.V. Konovalova

“13” June 2024, Record No. 5

## Hospital surgery, pediatric surgery

### Syllabus (of the module)

Department	<b>Surgical diseases</b>
Curriculum	<b>s310501-ЛечДело-24-5.plx</b>
Qualification	<b>General Practitioner</b>
Form of education	<b>Full-time</b>
Total (in credits)	<b>11</b>
Total academic hours	396
including:	
Classes	224
Self-study	136
Control hours	36

Control:

11<sup>th</sup> term-exam  
 10<sup>th</sup> term-credit with an assessment

#### Course outline in terms

Academic year (Term)	9 (5.1)		10 (5.2)		11 (6.1)		Total	
	УП	ПП	УП	ПП	УП	ПП		
Weeks	17 3/6		17 2/6		17 3/6			
Types of classes	УП	ПП	УП	ПП	УП	ПП	УП	ПП
Lectures	16	16	16	16	16	16	48	48
Practical	64	64	64	64	64	64	192	192
Including interactive	6	6	8	8	8	8	22	22
Total class	80	80	80	80	80	80	240	240
Contact work	80	80	80	80	80	80	240	240
Self-study	28	28	28	28	28	28	84	84
Control hours					36	36	36	36
Total	108	108	108	108	144	144	360	360

The Syllabus is compiled by:

*Head of Department of surgical diseases, Doctor of Medicine, Professor Darvin V.V., faculty member Polozova K.V.*

The Syllabus

**Hospital surgery, Pediatric Surgery**

Developed in accordance with Federal State Educational Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the Ministry of Education and Science of the Russian Federation on February 9, 2016 No. 95)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, "13" June 2024, Record No. 5

The Syllabus was approved by the department

**Surgical diseases**

Head of Department, Doctor of Medicine, Professor Darvin V.V.

### 1. COURSE OBJECTIVES

1.1	The <b>aim</b> of mastering the discipline "Hospital Surgery" is getting knowledges on the etiology, pathogenesis, clinical signs and diagnosis of surgical diseases, including methods of treatment and prevention, further formation of clinical thinking by mastering practical skills in self-curation of patients, in maintaining medical records, compiling a diagnostic program, interpreting the results of special research methods and solving issues of surgical tactics.
1.2	The <b>objective</b> of the course is the development of students' personal qualities and the formation of general cultural (general scientific, social and personal, instrumental), general professional and professional competencies in accordance with the Federal Educational Standards of Higher Education.

### 2. COURSE OVERVIEW

Course code (in curriculum)	Б1.Б
<b>2.1 Assumed background knowledge:</b>	
2.1.1	Topographic anatomy and operative surgery
2.1.2	Human anatomy
2.1.3	Biology
2.1.4	Human physiology
2.1.5	General surgery, X-Ray diagnostics
2.1.6	Faculty surgery, urology
2.1.7	Clinical anatomy
2.1.8	Histology, embryology, cytology
2.1.9	Pharmacology
2.1.10	Pathological physiology
2.1.11	Pathological anatomy
<b>2.2 Post requisites:</b>	
2.2.1	Anesthesiology, reanimatology, intensive care
2.2.2	Obstetrics and gynecology
2.2.3	Clinical surgery
2.2.4	Oncology, radiation therapy

### 3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)

**OPK-6: Maintains medical records, including in electronic form**

**OPK-8: readiness for the medical using of medicines and other substances and their combinations in solving professional tasks**

**OPK-11: demonstrates to use medical devices provided for the procedures for medical care**

**PC-5: willingness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathologic-anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease**

**PC-6: the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health-related Problems, X revision**

**PC-7: conducts an examination of temporary disability, participation in medical and social examination, and ascertaining the biological death of a person**

**PC-8: demonstrates knowledge of determination the tactics of managing patients with various nosological forms**

**ПК-9: willingness to manage and treat patients with various nosological forms in outpatient and day hospital settings**

**PC-10: Demonstrates knowledge of providing medical care in case of sudden acute diseases, conditions, exacerbation of chronic diseases which are not accompanied by a threat to the patient's life and do not require emergency medical care**

**PC-11: willingness to participate in the provision of emergency medical care in conditions requiring urgent medical intervention**

**By mastering of the course students must:**

<b>3.1</b>	<b>Know:</b>
3.1.1	- Etiology, pathogenesis and measures of prevention the most common surgical diseases.
3.1.2	- Clinical symptoms of these diseases and their complications
3.1.3	- Modern methods of clinical, laboratory and instrumental examination of surgical patients
3.1.4	- Methods of treatment and indications for their use
3.1.5	- Deontological aspects of surgery
<b>3.2</b>	<b>be able to:</b>
3.2.1	- To make a preliminary diagnosis is to synthesize information about the patient in order to determine the pathology and the causes of it;
3.2.2	- To make a plan of additional studies according to the prognosis of the disease, for clarifying the diagnosis and obtaining a reliable result;
3.2.3	- To formulate a clinical diagnosis;
3.2.4	- To develop a plan of therapeutic (surgical) actions, taking into account the course of the disease and its treatment;
3.2.5	- To formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents, to justify pharmacotherapy in a particular patient with major pathological syndromes and urgent conditions, to determine the method of administration, regimen and dose of drugs, to evaluate the effectiveness and safety of the treatment;

#### 4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)

Class Code	Topic /class type/	Term/Ac. year	Academic hours	Competences	Literature	Notes
	<b>Section 1.</b>					

1.1	Introductory lecture. The goals and objectives of the subject /Lecture/	9	2	OPC-6 OPC-8 PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3 L1.6L2.1 L2.2 L2.3 L2.4 E2 E5 E10 E12 E13 E14 E15	
1.2	Acute abdomen /Lecture/	9	2	PC-5 PC-6 PC-7 PC-8 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
1.3	Gastrointestinal bleeding /Lecture/	9	2	PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E2 E6 E10 E12 E13 E15	
1.4	Acute pancreatitis. Modern approaches to the diagnosis and treatment of acute pancreatitis /Lecture/	9	2	PC-5 PC-6 PC-7 PC-9 PK-10 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 E10 E12 E13 E15	
1.5	Gastric and duodenal ulcer. Surgical complications of peptic ulcer disease /Lecture/	9	2	OPK-11 PC-5 PC-6 PC-7 PC-8 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
1.6	Peritonitis /Lecture/	9	2	OPK-11 PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4 E10 E12 E13 E15 E19	
1.7	Errors, dangers and complications in the treatment of hernias /Lecture/	9	2	PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
1.8	Acute intestinal obstruction /Lecture/	9	2	PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3 L1.6L2.1 L2.2 E5 E10 E12 E13 E15 E17	
<b>Section 2.</b>						
2.1	Acquaintance with the medical documentation in a surgical hospital. Curation of the patients /Practical classes /	9	4	OPC-6 OPC-8 PC-5 PC-6 PC-7 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.5 E10 E12 E13 E15	
2.2	Acquaintance with the medical documentation in a surgical hospital. Curation of the patients / Self-study /	9	4	OPC-6 OPC-8 OPK-11 PC-5 PC-6 PC-7 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.3	Acute appendicitis /Practical classes/	9	4	PC-5 PC-6 PC-7 PC-10 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E9 E10 E11 E12 E13 E15	

2.4	Acute appendicitis /Self-study/	9	5	PC-5 PC-6 PC-7 PK-10 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E9 E10 E11 E12 E13 E15	
2.5	Complicated acute appendicitis /Practical classes/	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3 L1.4 L2.1 L2.2 E10 E12 E13 E15	
2.6	Complicated acute appendicitis / Self-study/	9	5	PC-11	L1.1 L1.2 L1.3 L1.4L2.1 L2.2 L2.3 L2.4 E10 E12 E13 E15	
2.7	Acute cholecystitis /Practical classes/	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.4 L2.5 E10 E12 E13 E15	
2.8	Acute cholecystitis /Self-study/	9	5	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.9	Complicated acute cholecystitis /Practical classes/	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4 E10 E12 E13 E15	
2.10	Complicated acute cholecystitis / Self-study /	9	5	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.11	Acute pancreatitis /Practical classes/	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 JI1.3 L1.4L2.1 L2.2 E10 E12 E13 E15	
2.12	Acute pancreatitis and its complications / Self-study /	9	5	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.13	Complications of the acute pancreatitis and its complications / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 E10 E12 E13 E15	
2.14	Complications of the acute pancreatitis and its complications / Self-study /	9	5	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 JI1.3 L1.4L2.1 L2.2 E10 E12 E13 E15	

2.15	Gastric and duodenal ulcer. Surgical complications of the peptic ulcer /Practical classes/	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.16	Gastric and duodenal ulcer. Surgical complications of the peptic ulcer /Self-study/	9	5	PC-5 PC-6 PC-7 PK-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.17	Peritonitis / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.18	Peritonitis / Self-study /	9	5	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.19	Abdominal abscesses / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.20	Abdominal abscesses / Self-study /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.21	Acute intestinal obstruction. Small bowel obstruction / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.22	Acute intestinal obstruction. Small bowel obstruction /Self-study /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.23	Acute intestinal obstruction. Colonic obstruction / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
2.24	Acute intestinal obstruction. Colonic obstruction /Self-study /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3 L1.5 L2.1 L2.2 E10 E12 E13 E15	
2.25	Acute abdomen in children / Practical classes /	9	4	PC-5 PC-6 PC-7 PK-9 PC-11	L1.1 L1.2 L1.3 L1.5L2.1 L2.2L3.1 L3.2 E6 E10 E12 E13 E15	
2.26	Acute abdomen in children /Self-study/	9	4	PC-5 PC-6 PC-7 PK-9 PC-11	L1.1 L1.2 L1.3 L1.5L2.1 L2.2L3.1 E10 E12 E13 E15	

2.27	Acute purulent septic diseases in children / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3 L1.5L2.1 L2.2L3.1 E10 E12 E13 E15	
2.28	Acute purulent septic diseases in children / Self-study /	9	4	PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3 L1.5L2.1 L2.2L3.1 E10 E12 E13 E15	
2.29	Acute intestinal obstruction in children / Practical classes /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3 L1.5 L1.6L2.1 L2.2L3.1 E10 E12 E13 E15	
2.30	Acute intestinal obstruction in children /Self-study /	9	4	PC-5 PC-6 PC-7 PC-11	L1.1 L1.2 L1.3 L1.5L2.1 L2.2L3.1 E10 E12 E13 E15	
2.31	/Control hours/	9	0			Form of control: test
<b>Section 3.</b>						
3.1	Organ transplantation /Lecture/	10	2	OPC-8 PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
3.2	Diseases of the operated organs / Lecture /	10	2	OPC-8 OPC-11 PC-5 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E5 E7 E11 E12 E13 E15	
3.3	Diseases of the splen / Lecture /	10	2	PC-5 PC-6 PC-7 PC-8 PC-11	L1.1 L1.2L2.1 L2.2 E6 E8 E9 E11 E12 E13 E15	
3.4	Breast diseases / Lecture /	10	2	PC-5 PC-7 PC-9	L1.1 L1.2L2.1 L2.2 E7 E9 E11 E12 E13 E14 E15	
3.5	Malignant tumors of the upper gastrointestinal tract. Cancer of the esophagus. Stomach cancer. Lesson 1 / Lecture /	10	2	OPC-8 OPC-11 PC-6 PC-8 PC-10	L1.1 L1.2L2.1 L2.2 L2.3 E1 E4 E8 E12 E13 E15	
3.6	Diseases of the rectum / Lecture /	10	2	PC-5 PC-6 PC-7	L1.1 L1.2L2.1 L2.2 E2 E7 E12 E13 E15 E19	
3.7	Malignant tumors of the upper gastrointestinal tract. Cancer of the esophagus. Stomach cancer. Lesson 2 / Lecture /	10	2	PC-5 PC-7 PC-8	L1.1 L1.2L2.1 L2.2 L2.3 E4 E12 E13 E15	



3.8	Benign lung tumors. Lung cancer. Diseases of the mediastinum. (tumors, cysts) /Lecture/	10	2	PC-7 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E3 E9 E12 E13 E15 E16	
<b>Section 4.</b>						
4.1	Curation of patients. Medical history. Maintaining medical records. / Practical classes /	10	4	OPC-8 OPC -11 PC-5 PC-6 PC-7 PC-8 PC-9 PC-11	L1.1 L1.2 L1.3 L1.6L2.1 L2.2L3.1 E10 E12 E13 E15	
4.2	Curation of patients. Medical history. Maintaining medical records. /Self-study/	10	2	OPC-8 PC- 5 PC-6 PC- 7 PC-8 PC- 9 PC-11	L1.1 L1.2 L1.3 L1.6J2.1 L2.2 E10 E12 E13 E15	
4.3	Abdominal hernias. Pinched hernias of the anterior abdominal wall / Practical classes /	10	4	OPC-8 OPC -11 PC-6 PC-8 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.4	Abdominal hernias. Pinched hernias of the anterior abdominal wall. /Self-study/	10	2	OPC-8 OPC -11 PC-6 PC-8 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.5	Diaphragmatic hernias./ Practical classes /	10	4	OPC-8 OИC -11 PC-6 PC-7 PC-8 PC-10 PC- 11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.6	Diaphragmatic hernias. /Self-study/	10	2	OPC-8 OPC -11 PC-6 PC-7 PC-8 PC-10 PC- 11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.7	Vascular diseases of the intestine. Acute thrombosis and embolism of mesenteric vessels. Lesson 1 / Practical classes /	10	4	OPC-8 OPC -11 PC-5 PC-6 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.8	Vascular diseases of the intestine. Acute thrombosis and embolism of mesenteric vessels. Lesson 2 / Practical classes /	10	4	OPC-8 OPC -11 PC-5 PC-6 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.9	Vascular diseases of the intestine. Acute thrombosis and embolism of mesenteric vessels. Lesson 1 /Self-study/	10	2	OPC-8 OPC -11 PC-5 PC-6 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.10	Vascular diseases of the intestine. Acute thrombosis and embolism of mesenteric vessels. Lesson 2 /Self-study/	10	2	OPC-8 OPC -11 PC-5 PC-6 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.11	Portal hypertension syndrome / Practical classes /	10	4	OPC-8 OPC -11 PC-5 PC-6 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.12	Portal hypertension syndrome. /Self-study/	10	2	OPC-8 OPC -11 PC-5 PC-6 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	

4.13	Surgical aspects of the treatment of parasitic diseases: opisthorchiasis, echinococcosis, alveococcosis / Practical classes /	10	4	PC-5 PC-6 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.14	Surgical aspects of the treatment of parasitic diseases: opisthorchiasis, echinococcosis, alveococcosis /Self-study/	10	2	PC-5 PC-6 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.15	Chest trauma / Practical classes /	10	4	PC-7 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.16	Chest trauma / Self-study /	10	4	PC-7 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.17	Abdominal trauma /Practical classes/	10	4	PC-7 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.18	Abdominal trauma / Self-study /	10	2	PC-7 PC-8 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.19	Bleeding from the lower gastrointestinal tract /Practical classes/	10	4	OPC-8 OPC -11 PC-8	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.20	Bleeding from the lower gastrointestinal tract / Self-study /	10	2	OPC-8 OPC -11 PC-8	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.21	Organization of outpatient care. Outpatient surgery centers. The office of the surgeon's doctor. / Practical classes /	10	4	OPC-8 OPC -11 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.22	Organization of outpatient care. Outpatient surgery centers. The office of the surgeon's doctor. / Self-study /	10	2	OPC-8 OPC -11 PC-8	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.23	Medical documentation. Rules for the registration of sick leave. Medical insurance issues. / Practical classes /	10	4	PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.24	Medical documentation. Rules for the registration of sick leave. Medical insurance issues. / Self-study /	10	2	PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.25	Diagnosis and treatment of surgical diseases in outpatient clinics. / Practical classes /	10	4	OPC-8 OPC -11 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.26	Diagnosis and treatment of surgical diseases in outpatient clinics. / Self-study /	10	2	O OPC-8 OPC-11 PC-9	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.27	Purulent diseases of the skin and subcutaneous tissue. Purulent diseases of the fingers of the hand. Benign tumors of the skin and subcutaneous tissues. / Self-study /	10	2	OPC-8 OPC -11 PC-6 PC-9 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	

4.28	Purulent diseases of the skin and subcutaneous tissue. Purulent diseases of the fingers of the hand. Benign tumors of the skin and subcutaneous tissues. / Practical classes /	10	4	OPC-8 OPC-11 PC-6 PC-7 PC-9 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.29	Mammology. Surgical treatment of benign breast diseases. / Practical classes /	10	4	OPC-11 PC-6 PC-9 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.30	Mammology. Surgical treatment of benign breast diseases. / Self-study /	10	2	OPC-11 PC-6 PC-8 PC-9 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
4.31	/Control hours/	10	0			Form of control: test
4.32	/ term-credit with an assessment /	10	0			Form of control: test
<b>Section 5.</b>						
5.1	High-tech surgery /Lecture/	11	2	OPC-8 PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15	
5.2	Diseases of the colon / Lecture/	11	2	OPC-8 OPC-11 PC-6 PC-7 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 L2.4 E2 E4 E8 E9 E12 E13 E15	
5.3	Diseases of the pancreas / Lecture/	11	2	OPC-8 OPC-11 PC-6 PC-7 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4 E9 E10 E11 E12 E13 E14 E15	
5.4	Surgery of the liver's tumors / Lecture/	11	2	OPC-8 PC-6 PC-7 PC-8 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
5.5	Modern principles of surgical infection treatment / Lecture/	11	2	PC-5 PC-7 PC-9 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
5.6	Gastrointestinal fistulas / Lecture/	11	2	OPC-8 OPC-11 PC-6 PC-7 PC-9 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
5.7	Acute and chronic mediastinitis / Lecture/	11	2	PC-5 PC-7	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
5.8	Endocrine surgery. Diseases of the thyroid glands and adrenal glands / Lecture/	11	2	OPC-11 PC-5 PC-6 PC-10	L1.1 L1.2L2.1 J2.2J3.2 Э12 Э13 Э15	
<b>Раздел 6.</b>						
6.1	Curation of the patiens. / Practical classes /	11	7	OPC-6 OPC-11 PC-7 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15	

6.2	Curation of the patients. / Self-study /	11	4	OPC-8 OPC-11 PC-7 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.3	Chronic pancreatitis. / Practical classes /	11	6	OPC-11 PC-5 PC-6 PC-7 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15
6.4	Chronic pancreatitis. / Self-study /	11	4	OPC-8 OPC-11 PC-5 PC-6 PC-7 PC-8 PC-9 PC-11	L1.1 L1.2 L1.3L2.1 L2.2 E10 E12 E13 E15
6.5	Diseases of the esophagus. Achalasia of the cardia. Cardiospasm. Cicatricial strictures of the esophagus. Diverticula of the esophagus. Gastroesophageal reflux disease. / Practical classes /	11	6	OPC-8 OPC-11 PC-6 PC-8	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.6	Diseases of the esophagus. Achalasia of the cardia. Cardiospasm. Cicatricial strictures of the esophagus. Diverticula of the esophagus. Gastroesophageal reflux disease. / Self-study /	11	4	OPC-6 OPC-8 PC-5	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.7	Nonspecific suppurative diseases of the lungs and pleura. / Practical classes /	11	6	OPC-11 PC-6 PC-8 PC-10	L1.1 L1.2L2.1 L2.2 E12
6.8	Nonspecific suppurative diseases of the lungs and pleura. / Self-study /	11	4	OPC-8 OPC-11 PC-5 PC-10	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.9	Acute and chronic mediastinitis /Practical classes/	11	6	OPC-8 PC-5 PC-6	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.10	Acute and chronic mediastinitis / Self-study /	11	4	OPC-8 PC-5 PC-6	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.11	Endocrine surgery /Practical classes/	11	6	PC-6 PC-7 PC-8 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.12	Endocrine surgery / Self-study /	11	4	PC-6 PC-7 PC-8 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.13	Colon surgery /Practical classes/	11	7	OPC-8 PC-5	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.14	Colon surgery / Self-study /	11	4	OPC-8 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.15	Gastrointestinal fistulas /Practical classes/	11	6	OPC-8 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.16	Gastrointestinal fistulas / Self-study /	11	4	OPC-8 PC-8 PC-9 PC-10 PC-11	L1.1 L1.2L2.1 L2.2 E12 E13 E15
6.17	Bariatric surgery /Practical classes/	11	6	OPC-8 PC-6	L1.1 L1.2L2.1 L2.2 E12 E13 E15

6.18	Bariatric surgery / Self-study /	11	4	OPC-8 PC-6	L1.1 L1.2L2.1 L2.2 E12 E13 E15	
6.19	/Control hours/	11	0			Form of control: test
<b>Section 7. Exam</b>						
7.1	Exam / term-exam /	11	36	OPC-6 OPC-8 OPC-11 PC-8 PC-10	L1.1 L1.2L2.1 L2.2 E10 E12 E13 E15	Form of control - Oral quiz, case-study, test, practical skill.

## 5. FUND OF ASSESSMENT TOOLS

### 5.1. Control questions and tasks

Presented in a separate document

### 5.2. Topics of control works

Presented in a separate document

## 6. COURSE (MODULE) RESOURCES

### 6.1. Recommended Literature

#### 6.1.1. Core literature

	Authors	Title	Publish., year	Quantity
L1.1	A.I. Kirienko, A.M. Shulutko, V.I. Semikov.	Surgical diseases: Vulture of the Ministry of Education and Science of Russia.	Moscow: GEOTAR-Media, 2011, Electronic resource	1
L1.2	A.F. Chernousov, S.P. Vetshev, A.V. Egorov.	Surgical diseases: Vulture of the Ministry of Education and Science of Russia.	Moscow: GEOTAR-Media, 2010, Electronic resource	1
L1.3	A.F. Chernousov, S.P. Vetshev, A.V. Egorov.	Surgical diseases	Moscow: GEOTAR-Media, 2012, Electronic resource	1
L1.4	N.V. Merzlikin, N.A. Brazhnikova, B.I. Al'perovich, V.F. Tshai.	Surgical diseases	Moscow: GEOTAR-Media, 2015, Electronic resource	1
L1.5	Y.F. Isakov, A.Y. Razumovsky.	Pediatric Surgery: Ministry of Education and Science of the Russian Federation. Recommended by GBOU DPO "Russian Medical Academy of Postgraduate Education" as a textbook for students of higher professional education studying in the specialty 14.01.08 "Pediatrics" in the discipline "Pediatric Surgery"/ Registration number of the review 426 dated October 11, 2013 FSAU "Federal Institute for Educational Development"	Moscow: GEOTAR-Media, 2015, Electronic resource	2

	Authors	Title	Publish., year	Quantity
L1.6	N.V. Merzlikin, N.A. Brazhnikova, B.I. Al'perovich, V.F. Tshai.	Surgical diseases: Ministry of Education and Science of the Russian Federation. It is recommended by the I.M. Sechenov First Moscow State Medical University as a textbook for students of institutions of higher professional education studying in the specialty 060101 "Medical business" in the discipline "Surgical diseases". The registration number of the review is 448 dated November 8, 2013. Federal State Budgetary Educational Institution "Federal Institute for Educational Development"	Moscow: GEOTAR-Media, 2015, Electronic resource	1
<b>6.1.2. Supplementary literature</b>				
	Authors	Title	Publish., year	Quantity
L2.1	R.B. Mak-Intair, G.V. Stigmann, Айсман B. Aisman	Algorithms for diagnosis and treatment in surgery	Москва: GEOTAR-Media, 2009	5
L2.2	A.G. Abdullaev.	Hospital surgery. Syndromology: Recommended by the I.M. Sechenov Moscow Medical Academy as a textbook for students of institutions of higher professional education studying in the specialties 060101 "Medicine" in the discipline "Hospital surgery, pediatric surgery" and 060103 "Pediatrics" in the discipline "Hospital Surgery".	Moscow: GEOTAR-Media, 2013, Electronic resource	1
L2.3	V.S. Savel'ev, A.I. Kirienko,	Surgical diseases. Volume 1	Moscow: GEOTAR-Media, 2014, Electronic resource	1
L2.4	V.S. Savel'ev, A.I. Kirienko,	Surgical diseases.	Moscow: GEOTAR-Media, 2014, Electronic resource	1
L2.5	V.S. Savel'ev, A.I. Kirienko,	Surgical diseases. Volume 2	Moscow: GEOTAR-Media, 2014, Electronic resource	1
<b>6.1.3. Methodological developments</b>				
	Authors	Title	Publish., year	Quantity
L3.1	V.V. Zhdanovsky, V.V. Darwin.	Outpatient surgery of umbilical hernias (one-day surgery): textbook for students of higher educational institutions studying in the specialty: 040126 - "Surgery"	Surgut: The publishing center of SurGU, 2012	100
L3.2	A.Y. Razumovsky, A.B. Alkhasov.	Surgical treatment of gastroesophageal reflux in children: [a guide for doctors]	M.: GEOTAR-Media, 2010	3
<b>6.2. Internet resources</b>				
E1	Single window of access to educational resources – information system			
E2	State Public Scientific and Technical Library of the Siberian Branch of the Russian Academy of Sciences			
E3	ARBICON			
E4	National electronic library			
E5	Russian Medicine			
E6	Journals Cambridge University Press.			
E7	MedLine			
E8	CyberLeninka. Scientific electronic library			
E9	Scientific electronic library. (eLibruary)			
E10	The website of the Russian Society of Surgeons			
E11	Russian Medical Server			

E12	electronic library of SurGU
E13	Electronic library system "Student consultant. The electronic library of the medical university."
E14	Electronic library of dissertations
E15	BioMed Central.
E16	PubMed Central (PMC).
E17	FREE MEDICAL JOURNALS.
E18	The Directory of Open Access Journals is an electronic resource developed by Lund University, Sweden. (Lund University).
E19	Online platform ClinicalKey.
E20	Russian Medical Journal
<b>6.3.1 Software</b>	
6.3.1.1	Operational system Microsoft, applied programs pack Microsoft Office
<b>6.3.2 Information Referral systems</b>	
6.3.2.1	<a href="http://www.garant.ru">http://www.garant.ru</a>
6.3.2.2	<a href="http://www.consultant.ru">http://www.consultant.ru</a>

<b>7. Course manuals</b>	
7.1	Classrooms for lectures are equipped with a multimedia projector, a screen, a laptop, a stationary chalkboard, standard educational furniture: tables, chairs
7.2	Classrooms for practical classes are equipped with a multimedia projector, a screen, a laptop, a stationary chalkboard, standard educational furniture: tables, chairs in Surgut District Clinical Hospital (SCDH)
7.3	Tables, posters, diagrams, drawings
7.4	Simulators of Simulator Center of SurSU
7.5	Operating room, dressing room, examination room in the emergency department, wards, intensive care wards, conference room. The premises of SDCH provided for the provision of medical care to patients, including those related to medical interventions, are equipped with specialized equipment and (or) medical products & devices
7.6	Library of situational tasks & clinical scenarios
7.7	Conditions have been created for the education of people with disabilities