

## COURSE DESCRIPTOR

№	Topic	Total, hours	Lectures, hours	Workshops (seminars), hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
<b>full-time course form of study</b>							
1	Surgery as science. History of development of surgery. Deontology in surgery. Organization of surgery help. Surgical permanent establishment of clinical base. Sanitary – hygienic requirements to the medical personnel of surgical department.	4	0	2	0	2	0
2	Antisepsis. History of the development. Types of antisepsis. Chemical antisepsis. Basic methods of the use of antisepsis.	4	0	2	0	2	0
3	Asepsis. History. Types. Ways of distribution of infection. Preparation and sterilization of dressing and stitch material, operation linen, gloves, surgical instruments. Pre-sterilization processing. Sterilization.	4	0	2	0	2	0
4	Asepsis. Prophylaxis of contact infection. Disinfections of hands of surgeon and operating field before the operation.	6	2	2	0	2	0
5	Bleeding. Classification. Etiopathogenesis. Clinical picture. Diagnostic. Methods of determination of bloodloss. Methods of arrest of the bleeding.	6	2	2	0	2	0
6	Bases of isoserology. Blood types and rhesus factor. Opening history. Methods of determination of blood and rhesus factor types.	4	0	2	0	2	0
7	Transfusiology. The rules of the blood transfusion, possible complication. Their prophylaxis and treatment of complications. Transfusiology. Components of blood and blood substitutes. Transfusion therapy, possible complications, their prophylaxis.	6	2	2	0	2	0
8	Surgical infection. Infection agents, their description. General principles of treatment of patients with a purulent disease. Purulent diseases of skin and hypoderm. Acute purulent diseases of cellular tissue.	4	0	2	0	2	0
9	Acute purulent diseases of blood vessels, lymphatic vessels and lymphatic knots. Acute purulent diseases of serosal cavities.	4	0	2	0	2	0
10	Acute purulent non specific infection of bones and joints. Felon.	6	2	2	0	2	0
11	Acute anaerobic infection (gas gangrene, tetanus, rabies, anthrax, diphtheria of wounds).	6	2	2	0	2	0
12	Damage (trauma). Features of examination of patients with trauma. Desmurgy. Soft bandages. Hard and hardening bandages. Work in dressing room. Practical use of desmurgies.	4	0	2	0	2	0

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13	Closed damages of soft tissue. Crush-syndrome. Closed damages of skull, thorax, abdominal cavity, retroperitoneal space.	4	0	2	0	2	0
14	Dislocations. Fractures.	6	2	2	0	2	0
15	Wounds. Classification. Phases of wound process.	4	0	2	0	2	0
16	Treatment of wounds.	6	2	2	0	2	0
17	Thermal, chemical and radiation burns. Burns disease. Electrical trauma, frostbites, freezing.	8	4	2	0	2	0
18	Local anesthesia. Topical anesthetics. The kinds of local anesthesia. Technique of performing. Possible complications, their prevention and treatment.	2	0	2	0	0	0
19	Novocain blockades. Technique of performing. Prevention of complications.	6	2	2	0	2	0
20	General anesthesia (narcosis). Theories. History of development. Preparation of patients for narcosis. Kinds of narcosis. Inhalation narcosis.	2	0	2	0	0	0
21	Non-inhalation narcosis. Intensive care during and after narcosis.	4	2	2	0	0	0
22	Resuscitation. History of development. Basic principles of cardiopulmonary resuscitation at the terminal states.	4	0	2	0	2	0
23	Critical conditions in surgery. Etiopathogenesis. Clinic. Diagnosis. Intensive care.	6	2	2	0	2	0
24	Basis of clinical oncology. Theories of cancer genesis. Clinical symptoms. Diagnostic of malignant tumors.	4	0	2	0	2	0
25	Modern principles of treatment of malignant tumors.	6	2	2	0	2	0
26	Anomalies of development and monstrosities.	4	0	2	0	2	0
27	Insufficiency of blood and lymph circulation. Embolism and thrombosis of vessels. Etiology and pathogenesis. Clinic. Diagnostic. Treatment.	4	0	2	0	2	0
28	Necrotic processes (gangrene, trophic ulcers, fistulae, bedsores).	6	2	2	0	2	0
29	General examination of surgical patients: rules and principles of anamnestic examination. Objective examination of skin, its appendages, of peripheral lymph nodes.	2	0	2	0	0	0
30	Technique of examination of head, neck, mammary glands, chest, abdomen.	2	0	2	0	0	0

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31	Methods for examining the muscular, vascular and nervous systems. Methods of examination of the perineum and rectum and musculoskeletal systems.	2	0	2	0	0	0
32	Study of the medical history of a surgical patient. Supervision of surgical patients.	2	0	2	0	0	0
33	Examination of the surgical patient and observation during his treatment.	2	0	2	0	0	0
34	Registration of medical history.	2	0	2	0	0	0
35	Defense of case history.	2	0	2	0	0	0
36	Final module control.	2	0	2	0	0	0
<i>Total (full-time course form of study)</i>		<i>150</i>	<i>28</i>	<i>72</i>	<i>0</i>	<i>50</i>	<i>0</i>