

**MINISTRY OF HEALTH & EDUCATION OF KYRGYZ REPUBLIC**  
**OSH STATE UNIVERSITY**  
**INTERNATIONAL MEDICAL FACULTY**  
**DEPARTMENT OF OBSTETRICS, GYNECOLOGY AND SURGICAL DISCIPLINES**

**STUDENT TRAINING PROGRAM**

(Syllabus)

<b>Specialty</b>	<b>MEDICINE</b>	<b>Course code</b>	<b>560001</b>
<b>Language</b>	<b>English</b>	<b>Outpatient surgery</b>	<b>Outpatient surgery</b>
<b>Academic year</b>	<b>2025-2026</b>	<b>Total credits</b>	<b>4</b>
<b>Teacher</b>	<b>Baktybai u D.</b>	<b>Semester</b>	<b>10<sup>th</sup> semester</b>
<b>E-Mail</b>	<a href="mailto:Daniyar.daten271095@gmail.com">Daniyar.daten271095@gmail.com</a>	<b>Schedule according to program “OshGU Student”</b>	<b>Phone: +996774590 056</b>
<b>consultation (Time/room)</b>	<b>9.00-16.00</b>	<b>monday</b>	<b>Monueva 5 room.№401</b>
<b>Form of study (daytime/evening/distance learning)</b>	<b>Day time</b>	<b>Course type: compulsory</b>	<b>Compulsory</b>

Head of the educational program “General Medicine”  
Candidate of Medical Sciences, Associate professor Bugubaeva M. M. \_\_\_\_\_

Osh, 2026

## **Brief description of the course.**

### **Purpose of the course and the expected result of studying the discipline.**

**The main goal of the course** is to teach students to diagnose, treat and prevent the most common surgical diseases, develop their clinical thinking, and develop practical skills in diagnosis and surgical care.

### **As a result of studying the discipline, the student must:**

#### **Know:**

- Medical devices: instruments, apparatuses, equipment, materials and other products used for medical purposes in surgery
- Goals and objectives, principles and methods of asepsis and antiseptics in surgery.
- A set of methods and techniques of work aimed at preventing infection in the wound, in the patient's body, creating microbial-free, sterile conditions for surgical work.
- A system of measures aimed at destroying microorganisms in the wound, pathological focus, organs and tissues, as well as in the patient's body as a whole
- Etiology, pathogenesis, clinical and laboratory criteria, principles of treatment of urgent and life-threatening conditions. Techniques and methods of first aid for emergency and life-threatening conditions.
- Clinical and laboratory criteria for conditions in patients requiring emergency and planned hospitalization.
- Principles, methods and standards of providing medical care in case of emergency and medical evacuation. Outcomes of various pathological conditions and methods of their prediction for emergency medical care and medical evacuation, as well as the place and functions of each team specialist.
- Procedural bases, the procedure for organizing, conducting, and types of forensic medical examinations, as well as techniques and methods for their implementation.
- Possible consequences of accidents, catastrophes, natural disasters and ways of using modern weapons of destruction

#### **Be able to:**

- Determine the scope of application of medical devices provided for in the procedure for providing medical care in surgery
- Choose and apply various methods of asepsis and antiseptics according to the goals and objectives of professional activity. Demonstrate the technique of using and processing basic medical instruments, conducting appropriate patient care
- Use surgical and / or complex diagnostic tools and monitor their processing to perform professional tasks
- Diagnose urgent and life-threatening conditions and define basic principles of first aid
- Select techniques and methods of first aid for emergency and life-threatening conditions.
- Differentiate pathological conditions in patients requiring emergency and planned hospitalization. Apply basic methods of medical care in emergency situations and medical evacuation.

- Choose and apply optimal methods of medical care that correspond to the best outcome of the pathological condition in emergency situations and medical evacuation.
- Determine the selection of conditions, equipment, and techniques required for conducting various types of forensic examinations in specific situations.
- Determine the impact of harmful and dangerous natural and man-made factors on humans and the environment.
- Evaluate the effectiveness of measures to organize medical care in an emergency, including medical evacuation

### **Possess:**

- Skills in determining the purpose of medical devices, their scope of application, and the algorithm of their use in providing medical care. Algorithm for using medical devices in standard cases
- Skills of demonstrating the choice and application of various methods of asepsis and antiseptics, according to the goals and objectives of professional activity
- Skills of purposeful use of surgical and / or diagnostic tools for performing tasks of professional activity
- Skills in determining the scope of first aid in urgent and life-threatening conditions. Skills in applying basic first aid techniques in emergency and life-threatening conditions.
- Skills in applying a set of techniques and methods of first aid in various urgent and lifethreatening conditions.
- Patient sorting skills for emergency medical care and medical evacuation
- Skills to assess the effectiveness of providing medical care as part of a multidisciplinary team in emergency situations and medical evacuation.
- Technical skills of working with tools, equipment and devices for conducting forensic medical research of various types.
- Skills in determining basic methods of protection in emergency situations and during medical evacuation.
- Skills of objective assessment of emergency development options and finding nonstandard solutions in suddenly changing conditions

### **Prerequisites:**

- Anatomy (macro-microanatomy)
- Normal physiology
- Microbiology, virology and immunology
- Latin language
- Biochemistry
- Pathology (pathological anatomy and pathological physiology)
- Radiation diagnostics

### **Post-requisites:**

- State Exam
- Postgraduate training

**Evaluation map (M1+M2)**

Discipline	credit	Classroom h	SIW	1-module (25 points)			2-module (25 points)			Exam (50 points)		
				Classroom hours	SIW/ SIW under guidelines of teacher	BC (r)	Classroom hours	SIW/ SIW under guidelines of teacher	BC (r)	FC (E)		
Outpatient surgery	4	40%	60%	lec	prac	30/6	9	lec	prac	8		
				10	14			10	14	30/6		
<b>Hours</b>	<b>4</b>	<b>48</b>	<b>72</b>	<b>10</b>	<b>14</b>	<b>30/6</b>	<b>9</b>	<b>10</b>	<b>14</b>	<b>30/6</b>		
<b>points accumulation</b>				<b>4</b>	<b>4</b>	<b>8</b>	<b>9</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>9</b>	
<b>The results of module</b>				<b>(M=tcп.+r+s) till 25 / 25</b>			<b>(M=tcп.+r+s) till 25 / 25</b>			<b>50</b>		
				<b>Рдоп. = M1 + M2 (30-50)</b>								
<b>Total</b>				<b>I = Рдоп. + E</b>								<b>100</b>

**Learning outcomes of the discipline**

**By the end of course the student:**

<b>CODE SR FOR GEP and its formulation</b>	<b>COMPETENCIES GEP</b>	<b>DUBLIN DESCRIPTORS</b>
SR 7-Is able to apply basic knowledge in the field of diagnostic activities to solve professional problems	PC 15-is able to prescribe adequate treatment to patients in accordance with the diagnosis;	<b>Knowledge and understanding</b> have demonstrated knowledge and understanding of oncology, palliative medicine and mastery of the skills and methods of research associated with oncology, palliative medicine
SR8 – Is able to apply basic knowledge in the field of medical activity to solve professional problems	PC 17-is capable and ready to perform basic medical procedures for the most common diseases and conditions (in adults and children in outpatient and inpatient settings;  PC-18 is capable and ready to provide medical care for acute diseases, conditions, and exacerbations of chronic diseases that do not pose a threat to the patient's life and do not require emergency medical care;	<b>Applying knowledge and understanding</b> can apply their knowledge and understanding, and problem solving abilities in new or unfamiliar environments with in broader (or multidisciplinary) contexts related to the oncology

<p>SR11-Able to apply basic knowledge in the field of research activities to solve professional problems</p>	<p>PC-32 is capable and ready to plan and conduct scientific research;</p>	<p><b>Making judgments</b> have the ability to gather and interpret relevant data (usually within their field of study) to inform judgments that include reflection on relevant social, scientific or ethical issues</p> <p><b>Communication Skills</b> Can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences</p> <p><b>Learning skills</b> have developed those learning skills that are necessary for them to continue to undertake further study with a high degree of autonomy</p>
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### Course Topical Outlines of lecture

№	Topics	Hour	Evaluation			
			teaching methods	Evaluation tools		Total
1	Introduction to Outpatient surgery. Wounds. Types of wounds. Classification. Hypertrophic scar and keloid. Classification of surgical wounds.	2	Visual & multimedia Teaching	Quizziz	≥80% (4) 64–79% (3) 51-63% (2) <50% (1)	4
2	Acute purulent diseases of soft tissues: Boil(furuncle),hydradenitis suppurativa, carbuncle, erysipelas. Anaerobic and specific infections: Tetanus and Gas gangrene. Surgical site infections.	2	V&MT	Quizziz	≥80% (4) 64–79% (3) 51-63% (2) <50% (1)	4
3	Burns and frostbite	2	CBL	Self- assesment	Case understanding Diagnosis Management reflection	4
4	Varicose veins and deep vein thrombosis	2	PBL	Self- assesment	understanding Investigation Management reflection	4
5	Hemorrhage. Shock and blood transfusion.	2	V&MT	Quizziz	≥80% (4) 64–79% (3)	4

					51-63% (2) <50% (1)	
6	Acid-base balance. Fluid and Electrolytes.	2	CBL	Flashcard	Accurate Focused Recall-based Clinically relevant	4
7	Local anesthesia. Pain relief. Basis of resuscitation	2	V&MT	Quizziz	≥80% (4) 64–79% (3) 51-63% (2) <50% (1)	4
8	Swelling: Lipoma, cysts, dermoids, sebaceous cyst, warts, glomus tumor, papilloma	2	V&MT	Self- assessment	≥80% (4) 64–79% (3) 51-63% (2) <50% (1)	4
9	Hand and foot infections: acute paronychia, apical subungual infection, terminal pulp space infections, deep palmar space infection, in growing toe nail.	2	V&MT	Google- classroom	≥80% (4) 64–79% (3) 51-63% (2) <50% (1)	4
10	Rabies (hydrophobia). Anthrax. Necrotizing fasciitis.	2	V&MT	Self- assessment	≥80% (4) 64–79% (3) 51-63% (2) <50% (1)	4
	<b>TOTAL</b>	<b>20h</b>				<b>4</b>

### Course Topical Outlines of practical classes

№	Topics	Hour	Evaluation			
			teaching methods	Evaluation tools	Evaluation criteria	Total
1	Introduction to Outpatient surgery. Wounds. Types of wounds. Classification. Hypertrophic scar and keloid. Classification of surgical wounds.	2	RBL Express quizz	flashcards	Oral and written survey Review of notes	4
2	Acute purulent diseases of soft tissues: Boil(furuncle),hydradenitis suppurativa, carbuncle, erysipelas. Anaerobic and specific infections: Tetanus and Gas gangrene. Surgical site infections.	2	TBL E&IM	Peer- assessment	Oral and written survey Review of notes	4

3	Burns and frostbite	2	CBL	Self-assessment	Oral and written survey Review of notes	4
4	Varicose veins and deep vein thrombosis	2	Case-based discussion	Assessment checklist	Oral and written survey Review of notes	4
5	Hemorrhage. Shock and blood transfusion.	2	PBL RBL	Quiz	Oral and written surveys. Review of notes	4
6	Acid-base balance. Fluid and Electrolytes.	2	SBL	SP (Standart patient)	Oral and written surveys. Review of notes	4
7	Local anesthesia. Pain relief. Basis of resuscitation		PBL	Quiz	Oral and written surveys. Review of notes	
8	Swellings: Lipoma, cysts, dermoids, sebaceous cyst, warts, glomus tumor, papilloma	2	TBL	Peer-assessment	Oral and written surveys. Review of notes	4
9	Hand and foot infections: acute paronychia, apical subungual infection, terminal pulp space infections, deep palmar space infection, in growing toe nail.	2	DDRD	Assessment checklist	Oral and written surveys. Review of notes	4
10	Rabies (hydrophobia). Anthrax. Necrotizing fasciitis.	2	E&IM	Flashcards	Oral and written interviews. Review of notes	4
11	Septic arthritis	2	PBL	Flashcards	Oral and written survey Review of notes	4
12	Primary surgical wound deridement (ИХО рана)	2	TBL	Quiz	Oral and written	4

					surveys. Review of notes	
<b>13</b>	Hemorrhoids	2	SBL	Assessment checklist	Oral and written surveys. Review of notes	4
<b>14</b>	Pressure sores(пролежни) and diabetic foot(диабетическая стопа)	2	TBL	Assessment checklist	Oral and written surveys. Review of notes	4
	<b>TOTAL</b>	<b>28 h</b>				<b>4</b>

**Main suggested literature:**

- 1) **SRBs Manual of Surgery.** Sriram Bhat M. 4 th edition 2013
- 2) **Manipal manual of Surgery** K Rajgopal Shenoy. 4 th edition 2014
- 3) **MEDSCAPE.ORG**

**Additional sources:**

- 4) **Basic surgical techniques** R.M Kirk 6<sup>th</sup> edition 2010
- 5) **Surgical care at the district hospital WHO 2003**
- 6) **General Surgery.The manual.** V.K.Gostishev translated from Russian 2003