

AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE

«General surgery»
for the specialty 1-79 01 01 «General medicine»
for 2024/2025 academic year

Amendments and changes	Basis/Reason
1. Changes have been introduced into the Explanatory Note (appendix 1)	Educational Plan for 2024/2025 academic year
2. Changes have been introduced into the Thematic Plan (appendix 2)	Educational Plan for 2024/2025 academic year
3. Changes have been introduced into the Educational Discipline Curricular Chart (appendix 3)	Educational Plan for 2024/2025 academic year

The curriculum is revised and approved at the department meeting General surgery (protocol # 13 of 31.05.2024).

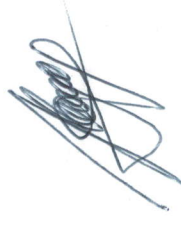
Head of the general surgery department



S.A.Alexeev

APPROVED

Dean of the Faculty of International Students



O.S.Ishutin

Total number of hours for the study of the discipline is 336 academic hours, of which 177 classroom hours and 159 hours of student independent work. Classroom hours according to the types of studies: lectures - 33 hours (including 9 hours of supervised student independent work (SSIW)), practical classes - 144 hours.

Changes in the Explanatory Note

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

Code, name of the specialty	1-79 01 01 General medicine	Total hours					
		semester	total	in-class	lectures	supervised student independent work	laboratory studies (practical classes and seminars)
Form of intermediate assessment	credit	4	108	54	9	3	42
	credit	5	120	63	6	3	54
	exam	6	108	60	9	3	48
			336	177	24	9	144
		Number of academic hours					
		out-of-class self-studies					
		including					
		159					

THEMATIC PLAN

Section (topic) name			Number of class hours
lectures (incl. SSIW)		practical (laboratory or seminars)	
1. Introduction to the academic discipline "General Surgery".	1,5	2	
2. Aseptic and antiseptic	3	10	
3. Bleeding and blood loss	1,5	5	
4. Fundamentals of clinical transfusiology	3	5	
5. Endogenous intoxication. Water and electrolyte disturbances	-	2,5	
6. Nutrition of a patient with surgical pathology	-	2,5	
7. Fundamentals of anesthesiology	-	5	
8. Fundamentals of intensive care	-	2,5	
9. Surgical operation	3	7,5	
10. Desmurgy. Transport immobilization	3	9	
11. Trauma and injuries	-	15	
12. Wounds and wound infection	1,5	6	
13. Sepsis	-	3	
14. Burn injury. Thermal, chemical and radiation burns. electrical injury	3	6	
15. Cold injury	-	3	
16. Fundamentals of out-patient surgery	-	3	
17. Fundamentals of oncology	-	3	
18. Fundamentals of plastic and reconstructive surgery	1,5	3	
19. Fundamentals of transplantology	-	3	
20. Examination of patient with surgical pathology	3	3	
21. Surgical infection	4,5	27	
22. Arterial circulation disorders.	3	6	
23. Venous circulation disorders. Chronic disorders of the lymphatic drainage	-	6	
24. Syndrome of diabetic foot	-	3	
25. Trophic and necrotic changes in soft tissues	1,5	3	
Total hours	33	144	

ACADEMIC DISCIPLINE CURRICULAR CHART

Section, topic #	Section (topic) name	Number of hours			Supervised student work	Practical skills	Form of control		
		lectures	practical or (laboratory or seminars)					of practical skills	of current / intermediate assessment
4 semester									
	Lectures	9			3				
1.	Introduction to the academic discipline "General Surgery".	1,5							
2.	Aseptic and antiseptic	1,5			1,5			oral interview	
3.	Bleeding and blood loss	1,5							
4.	Fundamentals of clinical transfusiology	3							
5.	Surgical operation	1,5			1,5			oral interview	
	Practical lessons		42						
1.	Introduction to the academic discipline "General Surgery".		2						
	Introduction to the "General Surgery" discipline		2					situational cases, control survey, conversation	
2.	Aseptic and antiseptic		10						
	Asepsis		2,5			Performing hygienic and surgical treatment of hands according to the EN-1500 standard	Performing a practical skill using a simulated participant.*	situational cases, control survey, conversation	
	Prevention of exogenous contact infection		2,5					situational cases, control survey, conversation	

7.	Fundamentals of anesthesiology		5		twisting technique			
	Fundamentals of anesthesiology. Pain syndrome		2,5		Removal of a single interrupted suture	The performance of a practical skill on simulation equipment.	situational cases, control survey, conversation	
	Local anesthesia		2,5				situational cases, control survey, conversation	
8.	Fundamentals of intensive care		2,5					
	Fundamentals of resuscitation		2,5				control work*	
9.	Surgical operation		7,5					
	Surgical interventions/operations		2,5		As an operating room nurse: gowning and gloving before surgery for her/himself and surgeon.	Performing a practical skill using a simulated participant.	situational cases, control survey, conversation	
	Preoperative period		2,5				situational cases, control survey, conversation	
	Postoperative period		2,5				credit	

5 semester

		Semester					
	Lectures	6		3			
6.	Desmurgy. Transport immobilization	1,5		1,5			oral interview
7.	Wounds and wound infection.	1,5					
8.	Burn injury. Thermal, chemical and radiation burns. electrical injury	1,5		1,5			oral interview
9.	Fundamentals of plastic and reconstructive surgery	1,5					
	Practical lessons		54				
10.	Desmurgy. Transport immobilization		9		Applying a bandage to any part of the body	Performing a practical skill using a simulated participant. *	control work*

	Desmurgy. Soft dressings				3				situational cases, control survey, conversation
	Hardening dressings				3				situational cases, control survey, conversation
	Transport immobilization				3				situational cases, control survey, conversation
11.	Trauma and injuries				15				
	Trauma and injuries. Injuries of the skull and brain				3				situational cases, control survey, conversation
	Open and closed injuries of the chest				3				situational cases, control survey, conversation
	Open and closed of the abdomen and retroperitoneal space				3				situational cases, control survey, conversation
	Dislocations and fractures				3				situational cases, control survey, conversation
	Traumatic shock. Crush syndrome.				3				situational cases, control survey, conversation
12.	Wounds and wound infection				6				
	Wounds				3				situational cases, control survey, conversation
	Wound infection				3				situational cases, control survey, conversation
13.	Sepsis				3				
	Sepsis				3				control work*
14.	Burn injury. Thermal, chemical and radiation burns. electrical injury				6				

	Burn injury. Thermal burns			3		Fixation of the gauze napkin with an elastic mesh-tubular bandage	Performing a practical skill using a simulated participant.	situational cases, control survey, conversation
	Chemical burns. Radiation burns. Electrical injury			3				situational cases, control survey, conversation
15.	Cold injury			3				
	Cold injury. General cooling. Frostbite			3				situational cases, control survey, conversation
16.	Fundamentals of out-patient surgery			3				
	Fundamentals of oncology.			3		Processing and draping of the surgical field with sterile material on a phantom with an explanation of the steps.	The performance of a practical skill on simulation equipment.	situational cases, control survey, conversation
17.	Fundamentals of oncology			3				
	Fundamentals of oncology			3				situational cases, control survey, conversation
18.	Fundamentals of plastic and reconstructive surgery			3				
	Fundamentals of plastic and reconstructive surgery			3				situational cases, control survey, conversation
19.	Fundamentals of transplantology			3				
	Fundamentals of transplantology			3				credit

6 semester

	Lectures	9	3					
11.	Examination of patient with surgical pathology	1,5	1,5					oral interview
12.	Surgical infection	4,5						

13.	Arterial circulation disorders.	1,5	1,5				oral interview
14.	Trophic and necrotic changes in soft tissues	1,5					
	Practical lessons		48				
20.	Examination of patient with surgical pathology		3				
	Practical specifics of examination of a surgical patient. Patient supervision and writing an "Academic long case of inpatient"		3			Academic long case of inpatient*	
21.	Surgical infection		27				
	Surgical infection - concept, classification, etiology, pathogenesis, principles of diagnosis and treatment		3				
	Acute purulent diseases of the skin, subcutaneous tissues		3				
	Acute purulent diseases, glandular organs, lymphatic system, blood vessels		3				
	Hand infection		3				
	Acute purulent diseases of bones and joints. Tuberculosis of bones and joints		3				
	Chronic specific surgical infection. Actinomycosis		3				
	Osteomyelitis		3				
	Anaerobic clostridial and non-clostridial infections. Tetanus. Rabies. Anthrax		3				
	Purulent-inflammatory diseases of the serous membranes: septic pericarditis, peritonitis, pleurisy		3				control work*
22.	Arterial circulation disorders.		6				
	Acute arterial insufficiency of lower extremities		3			Выполнение Performing a practical skill in a patient's bed / using a	
						Determination of pulse in the arteries: temporal, carotid, mandibular, axillary, brachial, radial,	

					femoral, popliteal, dorsalis pedis, tibialis posterior.	standardized patient	
	Chronic arterial insufficiency of extremities			3			
23.	Venous circulation disorders. Chronic disorders of the lymphatic drainage			6			
	Acute venous insufficiency			3			
	Chronic venous insufficiency. Chronic lymphatic disorders			3			
24.	Syndrome of diabetic foot			3			
	Diabetic foot syndrome			3			control work*
25.	Trophic and necrotic changes in soft tissues			3			
	Trophic and necrotic lesions of soft tissues. Necrosis. Gangrene. Trophic ulcer. Fistula. Decubital ulcer			3			
							exam

*This is a mandatory form of current certification (each student will receive a mark)