

4. The structure and content of the discipline "Anesthesiology, intensive care, intensive care"

4.1. Discipline structure

The total complexity of the discipline is 3 credits, 108 hours.

№ п/п	Name of sections and topics of discipline	Semester	Cycle days	Types of academic work, including self-study student work and labor intensity (in hours)								Forms of current performance monitoring (weekly semester)							
				Classroom work				Independent work											
				Total	Lecture	Workshops	Laboratory classes	Total	Classroom preparation occupations	Abstract, essay, etc.	Course work	Exam preparation	Job interview	Colloquium	Test verification	Verification of tests	Review abstract	Checking Workbooks	Course work
1	Section 1 Basics of Clinical Anesthesiology	1 2																	
1.1	Topic 1 Organization of emergency care at the prehospital and hospital stages. Anesthesiology-resuscitation: specialty and service. Equipment for anesthesia, resuscitation and monitoring: principles of design	12		8	2	6		3	2	1			1		1			1	

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	and operation																		
1.2	Theme 2 Perioperative anesthesia and analgesia. Inhalation and non-inhalation anesthesia. The technique of general anesthesia. Regional anesthesia. Complications of anesthesia. Anesthesia for concomitant diseases. Therapy of acute and chronic pain syndromes	12		6		6		2	1	1			2		2				2
2	Section 2 Terminal States. Cardiopulmonary resuscitation	12																	
2.1	Theme 1 Terminal states. Cardiopulmonary and cerebral resuscitation. Basic concepts, equipment and instruments. Indications, concept and criterion	12		8	2	6		3	2	1			3		3		3	3	3

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	for clinical death. Testing on a dummy of the artificial lung ventilation technique and closed heart massage, methods of restoring airway patency. Typical problems and errors. Contraindications, termination criteria, legal aspects. New CPR Techniques and Techniques																		
3	Section 3 Clinical Resuscitation																		
3.1	Topic 1 Acute respiratory failure. General principles of diagnosis and intensive care. Acute restrictive respiratory failure (specific forms - massive pneumonia, pneumo-, hydro-, hemothorax). Acute obstructive	12		8	2	6		3	2	1			4		4		4	4	

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	failure (asthmatic status, extra-thoracic stenosis). Fundamentals of the modern concept and fundamentals of the respiratory therapy technique																		
3.2	Theme 2 Acute circulatory failure. Hemorrhagic, hypovolemic, plasmorrhagic shock. The principles of staged treatment. Anaphylactic and anaphylactoid shock: prevention, therapy algorithm	12		8	2	6		3	2	1			5		5		5	5	
3/3	Topic 3 Concepts on disorders of water-electrolyte balance. Diagnosis and intensive care of WEB disorders. Acute violations of the acid-base state. Diagnosis	12		8	2	6		4	2	2			6		6		6	6	

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				Total	Lecture	Workshops Laboratory classes		Total	Classroom preparation occupations	Abstract, essay, etc.	Course work	Exam preparation	Job interview	Colloquium	Test verification	Verification of tests	Review abstract	Checking Workbooks	Course work	Skills test
	and intensive care. Classification and properties of plasma substitutes. Acute hypovolemia. General principles of infusion-transfusion therapy																			
3.4	Fundamentals of neuroresuscitation. Intensive care for acute cerebral insufficiency	12		8	2	6		2	1	1			7		7		7	7		7
3.5	Infection as a medical problem in critical conditions. Systemic inflammatory response syndrome	12		8	2	6		2	1	1			8		8		8	8		8
3.6	Sepsis, septic shock. pathogenesis, diagnostic criteria, principles of intensive care	12		6		6		2	1	1			9		9		9	9		9
3.7	Endogenous intoxication syndrome. Methods of detoxification and hemocorrection	12		8	2	6		2	1	1			10		10		10	10		10

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				Total	Lecture	Workshops	Laboratory classes	Total	Classroom preparation occupations	Abstract, essay, etc.	Course work	Exam preparation							
	with endo- and exotoxiosis																		
1.9	Final lesson	12		4		4		2	1	1			11		11				11
	The total complexity in hours			80	16	64		28	16	12			Intermediate certification						
													The form		Semester				
													Offset		12				
													Exam						

