Speciality "Internal medicine"

ACADEMIC DISCIPLINE
«EMERGENCY CARDIOLOGY AND OTHER EMERGENCIES STATES»
Therapeutic Module 3

Academic discipline outline	«Emergency Cardiology and Other Emergency Conditions» – the academic discipline, providing systematic scientific knowledge about the most common emergency conditions in cardiology and other areas of internal medicine that are life-threatening and require medical specialists to provide urgent (emergency and non-urgent) medical care.
Resulting skills	Specialized competence: diagnose and provide emergency medical care for acute pathological conditions in cardiology, nephrology, gastroenterology and pulmonology.
Learning outcomes	A student must: **know:** main causes and signs of primary cardiac and respiratory arrest; principles of cardiopulmonary resuscitation; etiological factors, pathogenesis and clinical manifestations of major emergency conditions in cardiology and associated extracardiac pathological conditions; algorithms for diagnosis and differential diagnosis of emergency conditions in cardiology, pulmonology and nephrology; diagnostic criteria and algorithms for the diagnosis and treatment of cardiogenic shock; current aspects of providing emergency (urgent and critical) medical care for emergency conditions in patients with cardiovascular and other internal organ diseases and/or during exacerbations of chronic diseases; pharmacological properties of medications; principles of medical ethics and deontology; **be able to:** identify signs of cardiac arrest and respiratory arrest; restore airway patency; perform artificial ventilation and chest compressions; perform procedures as part of advance life support (defibrillation; establishing venous access and administering medications); take a medical history and perform a physical examination of

	the patient; develop an examination plan for emergency conditions in cardiology; interpret the results of laboratory and diagnostic tests; make a diagnosis; provide medical care for major emergency conditions; fill in medical documentation **master:** methods for measuring arterial blood pressure, assessing pulse characteristics, percussion, auscultation and palpation; the method for recording an electrocardiogram; techniques for restoring airway patency; techniques for chest compressions, artificial ventilation, defibrillation, establishing venous access and administering medications.
Semester(s)	11 semester
Prerequisite	Human anatomy. Histology, cytology, embryology. Pathological anatomy. Normal physiology. Pathological physiology. Biological chemistry. X-ray diagnostics and X-ray therapy. Pharmacology. Propaedeutics of internal diseases. Surgical diseases. Anesthesiology and resuscitation.
Credit value	3 credits
Academic hours	106 academic hours, of which: 70 class hours
Forms of midterm attestation	Credit