

**SYLLABUS OF DISCIPLINE PROGRAM**  
**VB 1.36 “First medical aid”**

<b>1. General information</b>	
<b>Name of the faculty</b>	Medical (English speaking students)
<b>Educational program</b> (branch, specialty, level of higher education, form of education)	22 Health care, 222 Medicine, second (master's) level of higher education, full-time (daily form)
Year of study	2023-2024
<b>Name of discipline, code</b> (e-mail address on the website of Danylo Halatskyi LNMU)	VB 1.36 “First medical aid” <a href="https://new.meduniv.lviv.ua/kafedry/kafedra-propedevytyky-vnutrishnoyi-medytsyny-1/">https://new.meduniv.lviv.ua/kafedry/kafedra-propedevytyky-vnutrishnoyi-medytsyny-1/</a>
Department (name, address, phone, e-mail)	Department of propedeutics of Internal Medicine 79013, Lviv, Konovaltsya str., 22, phone: +38(032)237-31-14, fax: +38 (032)237-88-80 <a href="mailto:kaf_propaedeutic_1@meduniv.lviv.ua">kaf_propaedeutic_1@meduniv.lviv.ua</a>
Head of the department (contact e-mail)	MD, Professor, Dutka Roman Jaroslavovych <a href="mailto:dutka_roman@meduniv.lviv.ua">dutka_roman@meduniv.lviv.ua</a>
Year of study (year on which the study of the discipline is implemented)	2
Semester (semester in which the study of the discipline is implemented)	III
Type of course / module (mandatory / optional)	Elective course (discipline of choice)
Teachers (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	associate professor, MD, PhD Abrahamovych K.J., <a href="mailto:abrahamovych_khrystyna@meduniv.lviv.ua">abrahamovych_khrystyna@meduniv.lviv.ua</a> assistant professor, MD, PhD Kurban M. M., <a href="mailto:kurban_marjana@meduniv.lviv.ua">kurban_marjana@meduniv.lviv.ua</a> assistant professor Chmyr N.V., <a href="mailto:chmyr_natalja@meduniv.lviv.ua">chmyr_natalja@meduniv.lviv.ua</a> assistant professor Koljadych M.M.
Erasmus yes / no (availability of discipline for students within the program Erasmus+)	No
Person responsible for the syllabus (the person to whom comments should be made regarding the syllabus, contact e-mail)	associate professor, MD, PhD Bezv O.V. associate professor, MD, PhD Novosad A.B., <a href="mailto:novosad_anna@meduniv.lviv.ua">novosad_anna@meduniv.lviv.ua</a> associate professor, MD, PhD Abrahamovych K.J., <a href="mailto:abrahamovych_khrystyna@meduniv.lviv.ua">abrahamovych_khrystyna@meduniv.lviv.ua</a>
Number of credits ECTS	3
Number of hours (lectures / practical classes / independent work of students)	12/18/60
The language in which the subject is taught	English
Information about consultations	

Address, telephone and regulations of the clinical base	“LVIV TERRITORIAL MEDICAL ASSOCIATION 2 CLINICAL HOSPITAL OF PLANNED TREATMENT, REHABILITATION AND POLLIATIVE CARE” MUNICIPAL NON-PROFIT ENTERPRISE 79013, Lviv, Konovaltsya str., 26 phone: +38(032)237-87-32, e-mail: <a href="mailto:Skmkl_uoz_lviv@ukr.net">Skmkl_uoz_lviv@ukr.net</a>
---	--

## 1. 2. Short annotation to the course

While studying the elective discipline "First Aid", students acquire knowledge, skills and practical skills that enable them to quickly and correctly navigate an emergency situation, avoid fatal mistakes or loss of time, and take the first steps that will save a person's life and/or become a good basis for her successful further treatment in a hospital. Mastery of the discipline is based on knowledge acquired by students in the process of studying anatomy, biology, physiology and other basic disciplines.

During the study of the discipline "First medical aid" it is advisable to introduce into the educational process modern world recommendations and standards for first medical aid with extensive use of means of comprehensive practical-oriented training.

## 2. The purpose and objectives of the course

- **General (CG):**
- CG.1 Ability of abstract thinking, analysis and synthesis.
- GC.2 Ability to learn and master modern knowledge.
- GC.3 Ability to apply knowledge in practical situations.
- GC.4 Knowledge and understanding of the subject area and understanding professional activity.
- GC.5 Ability to adapt and act in a new situation.
- GC.6 Ability to make informed decisions.
- GC.7 Ability to work in a team.
- GC.8 Ability to interpersonal interaction.
- GC.9 Ability to communicate in a foreign language.
- GC.10 Ability to use information and communication technologies.
- GC.11 Ability to search, process and analyze information from various sources.
- GC.12 Determination and persistence in relation to assigned tasks and assumed responsibilities.
- GC.13 Awareness of equal opportunities and gender issues.
- GC.14 The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.
- GC.15 The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technologies, to use various types and forms of motor activity for active recreation and leading a healthy lifestyle.
- **Special (FC):**
- FC.1 Ability to collect medical information about the patient and analyze clinical data.
- FC.7 Ability to diagnose emergency conditions.
- FC.8 Ability to determine tactics and provide emergency medical care.
- FK.9 Ability to carry out medical evacuation measures.
- FC.10 Ability to perform medical manipulations.
- FC.11 Ability to solve medical problems in new or unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethical responsibility.
- FC.13 Ability to carry out sanitary and hygienic and preventive measures.
- FC.14 Ability to plan and carry out preventive and anti-epidemic measures regarding infectious diseases.
- FC.16 Ability to maintain medical documentation, including electronic forms.
- FC.17 Ability to assess the impact of the environment, socio-economic and biological determinants on the state of health of an individual, family, population.
- FC.24 Compliance with ethical principles when working with patients and laboratory animals.
- FC.25 Observance of professional and academic integrity, bear responsibility for the reliability of the obtained scientific results.

### 3. Prerequisites of the course

1. Physics within the school curriculum.
2. Chemistry within the school curriculum.
3. Biology within the school curriculum.
4. Basics of health within the school curriculum.

### 4. Program learning outcomes (PLO)

**PLO1** To have thorough knowledge of the structure of professional activity. To be able to carry out professional activities that require updating and integration of knowledge. To be responsible for professional development, the ability for further professional training with a high level of autonomy.

**PLO2** Understanding and knowledge of fundamental and clinical biomedical sciences, at a level sufficient for solving professional tasks in the field of health care.

**PLO3** Specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for conducting research, critical understanding of problems in the field of medicine and related interdisciplinary problems.

**PLO4** Highlight and identify leading clinical symptoms and syndromes (according to list 1); according to standard methods, using preliminary data of the patient's history, data of the patient's examination, knowledge about the person, his organs and systems, establish a preliminary clinical diagnosis of the disease (according to list 2).

**PLO5** Collect complaints, anamnesis of life and diseases, evaluate the psychomotor and physical development of the patient, the state of organs and systems of the body, based on the results of laboratory and instrumental studies, evaluate information about the diagnosis (according to list 4), taking into account the age of the patient.

**PLO8** Determine the main clinical syndrome or what causes the severity of the victim's/victim's condition (according to list 3) by making a reasoned decision and assessing the person's condition under any circumstances (in the conditions of a health care facility, outside its borders), including in conditions of emergency and hostilities, in field conditions, in conditions of lack of information and limited time.

**PLO14** Determine tactics and provide emergency medical care in emergency situations (according to list 3) in limited time conditions according to existing clinical protocols and treatment standards.

**PLO15** To organize the provision of medical aid and medical evacuation measures to the population and military personnel in emergency situations and combat operations, including in field conditions.

**PLO17** Perform medical manipulations (according to list 5) in the conditions of a medical institution, at home or at work based on a previous clinical diagnosis and/or indicators of the patient's condition by making a reasoned decision, observing the relevant ethical and legal norms.

**PLO21** Search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this information.

**PLO24** To organize the necessary level of individual safety (own and the persons they care about) in case of typical dangerous situations in the individual field of activity.

**PLO25** Understandably and unequivocally communicate own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists.

**PLO27** Communicate freely in the state language and in English, both orally and in writing to discuss professional activities, research and projects.

#### List of learning outcomes

<i>The code is created when filling in the syllabus (category: Kn - knowledge, Ab - ability,</i>	<i>Learning outcomes determine that the student must know, understand and be able to perform, after completing the discipline. Learning outcomes follow from the set learning goals.</i>	<i>Symbol of the Program Learning Outcome</i>
	<i>To enroll in the discipline, it is necessary to confirm the achievement of</i>	

<i>C - competence, AR - autonomy and responsibility)</i>	<i>each learning outcome.</i>	<i>(LO) Code in the Higher Education Standard</i>
Kn-1	Know the features of questioning patients in the therapeutic department of the hospital: the collection of primary and secondary complaints, medical history and life.	LO-1 LO-4 LO-5
Ab-1	Be able to collect patient complaints, medical history, life history in the therapeutic department of the hospital	LO-1 LO-4 LO-5
C-1	Effectively form a communication strategy in communication with patients and their relatives.	LO-1 LO-25
AR-1	Be responsible for the choice and tactics of communication. Responsible for using the results of the interview with the patient according to the standard scheme of questioning the patient.	LO-1 LO-4 LO-5
Kn-2	Know the main indicators of the activity of the cardiovascular and respiratory systems.	LO-1 LO-2 LO-3 LO-4 LO-5
Ab-2	Be able to evaluate the indicators of the patient's cardiovascular and respiratory systems; give a clinical assessment of the data obtained during the review.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8
C-2	The ability to effectively form a communication strategy for conducting a patient examination.	LO-1 LO-2 LO-5
AR-2	To be responsible for the high-quality examination of the patient and clinical evaluation of the obtained results.	LO-1 LO-3 LO-4 LO-5 LO-6
Kn-3	First aid skills for some emergencies	LO-1 LO-5 LO-8 LO-14 LO-17
Ab-3	Be able to provide first aid in some emergency situations	LO-14 LO-16 LO-17
C-3	It is justified to prescribe and inform the patient and/or his relatives (guardians) of information regarding the provision of the necessary first medical aid	LO-14 LO-16 LO-16 LO-17 LO-25
AR-3	Be responsible for the correct performance of first aid skills	LO-14 LO-16 LO-17
Kn-4	Know the main disorders of consciousness	LO-14 LO-16 LO-17
Ab-4	Be able to assess the patient's state of consciousness, give a clinical assessment.	LO-3 LO-4
C-4	Form and convey conclusions about the patient's state of consciousness to the patient and/or his parents (guardians), specialists.	LO-25
AR-4	Adhering to ethical and legal norms, bear responsibility for making	LO-14

	informed decisions and actions regarding the correctness of providing first aid	LO-15 LO-16
Kn-5	Know the standard methods of examining the victim in emergency situations (at home, on the street, in a health care facility) in conditions of lack of information.	LO-2 LO-5 LO-21
Ab-5	Be able, in the conditions of lack of information, using standard methods, by making a reasoned decision to assess the condition of the victim and to determine what causes the severity of the condition of the victim/injured.	LO-14 LO-17
C-5	Adhering to the relevant ethical and legal norms, make a reasoned decision regarding the assessment of the severity of the patient's condition, the organization of necessary medical measures depending on the condition.	LO-14 LO-15 LO-17 LO-24
AR-5	Adhering to the relevant ethical and legal norms, make a reasoned decision regarding the assessment of the severity of the patient's condition, the organization of necessary medical measures depending on the condition.	LO-5 LO-14 LO-17
Kn-6	Have specialized knowledge of algorithms for performing medical manipulations.	LO-14
Ab-6	Be able to perform some of the simplest medical manipulations.	LO-14
C-6 23	It is reasonable to form and demonstrate to the patient, and/or his parents (guardians), specialists conclusions regarding the need to carry out some of the simplest medical manipulations.	LO-17 LO-25 LO-27
AR-6 24	To be responsible for the quality of medical manipulations.	LO-17

### 1. Form and scope of the course

Course format (full-time or part-time)	Full-time	
Type of classes	Number of hours	Number of groups
Lectures	12	1
Practical classes	18	1
Independent work	60	1

### 2. Topics and content of the course

Class type code	Topic	Content	Learning outcome code	Teacher
L-1	Concept of terminal states. Sudden death and principles of basic resuscitation.	The process of dying an organism. General concepts of terminal states: preagonal state, terminal pause, agony, clinical death. Signs and diagnosis of social and biological death. General rules of cardiopulmonary resuscitation. CPR technique. Indications and contraindications for CPR. CPR algorithms. CPR effectiveness criteria. Complications and their prevention.	LO-1 LO-2 LO-3 LO-4 LO-8 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
L-2	First aid for some emergency situations: burns, frostbite, heat or sunstroke, general hypothermia, drowning, suffocation, electric shock and lightning.	The concept of thermal, chemical and radiation burns, and frostbite. Stages of burns and frostbite, their characteristics. The main clinical signs and principles of assistance with general hypothermia. Determining the degree of damage and the area of a burn, frostbite (the rule of "palms", the rule of "nines"). Determining the health prognosis of patients with burns	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.

		and frostbite depending on the degree and area of the burn or frostbite. First aid. Causes and mechanisms of the development of sunstroke and heat stroke. Conditions that contribute to overheating of the body. The main clinical signs of sunstroke and heat stroke. Basic principles of emergency care. Drowning (primary and secondary), its signs. Peculiarities of the position of the victim in case of evacuation from the water. Medical assistance. Asphyxia and its varieties: obturation, strangulation, stenosing, compression, nerve-paralytic, central. Principles of emergency care. Concept of electric injury. Injury by technical electric current and lightning. Peculiarities of providing medical assistance in case of electric shock. Algorithm for providing first aid in case of electric shock and lightning.		
L-3	Basic indicators of vital signs: blood pressure, pulse, breathing rate. Assessment of the state of consciousness. Possible causes of unconsciousness, principles of emergency first aid. Fainting, collapse - principles of emergency care. The concept of Seizures, first aid.	The concept of blood pressure. Rules for measuring blood pressure. First medical aid for lowering and increasing blood pressure. Concept of pulse. The main characteristics of the pulse: rhythm, frequency, tension, filling, size and shape. Estimation of the frequency of respiratory movements. Basic concepts of breathing disorders: accelerated breathing, slowed breathing. Grinding: main causes, clinical symptoms. First aid in case of suffocation. Collapse: main causes, clinical symptoms. Principles of first aid. Causes of unconsciousness. The main criteria of clear and impaired consciousness. Types of suppression of consciousness: stupor, sopor, coma. The concept of delusions and hallucinations. Principles of emergency care in case of loss of consciousness. The concept of convulsions. Epilepsy, the main clinical manifestations of the disease. The concept of status epilepticus. Emergency medical care for epilepsy.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
L-4	The concept of poisoning. Types of poisons. Principles of first aid. Emergency aid for carbon monoxide poisoning and some household poisonings. Bites of animals with rabies, snake bite and insects.	Poisoning. Conditions, classification. Ways of entry of poison into the body. Types of poisons. Nonspecific symptoms of intoxication. Assessment of the patient's condition – respiratory function, cardiovascular system, consciousness in case of poisoning. First aid for poisoning: Gastric lavage technique, sorbents, antidote therapy. Carbon monoxide poisoning, clinical	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.

		<p>manifestations. Algorithm for providing first aid.</p> <p>Peculiarities of providing first aid for animal bites with rabies.</p> <p>Snake bites with different types of venom: hemolytic and neurotoxic, the main clinical manifestations. Principles of emergency medical care.</p> <p>Insect bites: bees, wasps, hornets, main clinical manifestations. Principles of emergency care.</p>		
L-5	<p>First medical aid for an attack of shortness of breath, cough, chest pain, abdominal pain.</p>	<p>The main causes of the pathology of shortness of breath. Types of shortness of breath. First aid for an attack of bronchial asthma. First aid for cardiac asthma.</p> <p>The diagnostic value of different types of cough. First aid for cough.</p> <p>The main causes of pain in the chest. The main clinical signs of an attack of angina pectoris, myocardial infarction, pneumothorax. First aid.</p> <p>Acute diseases of the abdominal cavity: acute appendicitis, cholecystitis, pancreatitis, perforated ulcer of the stomach and duodenum, pinched hernias, intestinal obstruction. Causes of appearance, preliminary diagnosis, first medical aid. First aid mistakes.</p>	<p>LO-1</p> <p>LO-2</p> <p>LO-3</p> <p>LO-4</p> <p>LO-5</p> <p>LO-8</p> <p>LO-14</p> <p>LO-17</p>	<p>Assoc.Prof., Abrahamovych K.J.,</p> <p>Assis. Prof. Kurban M. M.,</p> <p>Assis. Prof. Chmyr N.V.,</p> <p>Assis. Prof. Koljadych M.M.</p>
L-6	<p>Peculiarities of providing first aid in combat conditions (Tactical medicine). Crush syndrome. Bleeding in combat conditions. Methods of stopping external bleeding.</p>	<p>Peculiarities of providing first medical aid in the conditions of hostilities. Syndrome of prolonged tissue compression. Classification of bleeding. Basic methods of stopping bleeding.</p> <p>Methods of temporarily stopping bleeding (finger pressure, compressive bandage, maximum bending and lifting of the limbs, applying a tourniquet, twisting).</p> <p>The concept of the final stop of bleeding. Complications after applying a tourniquet. Basic principles of stopping bleeding (part of the unified protocol approved by the order of the Ministry of Health No. 612 of 06/21/2016).</p>	<p>LO-1</p> <p>LO-2</p> <p>LO-3</p> <p>LO-4</p> <p>LO-5</p> <p>LO-8</p> <p>LO-14</p> <p>LO-15</p> <p>LO-17</p> <p>LO-24</p>	<p>Assoc.Prof., Abrahamovych K.J.,</p> <p>Assis. Prof. Kurban M. M.,</p> <p>Assis. Prof. Chmyr N.V.,</p> <p>Assis. Prof. Koljadych M.M.</p>
P-1	<p>Concept of conditions. Sudden death and principles of basic resuscitation.</p>	<p><i>Learning objectives of the lesson:</i></p> <p><i>Know:</i></p> <ul style="list-style-type: none"> <li>• The process of dying of an organism. General concepts of terminal states: preagonal state, terminal pause, agony, clinical death.</li> <li>• Signs and diagnosis of clinical and biological death.</li> <li>• Indications and contraindications for CPR.</li> <li>• CPR algorithms.</li> <li>• CPR effectiveness criteria.</li> </ul>	<p>LO-1</p> <p>LO-2</p> <p>LO-3</p> <p>LO-4</p> <p>LO-8</p> <p>LO-17</p>	<p>Assoc.Prof., Abrahamovych K.J.,</p> <p>Assis. Prof. Kurban M. M.,</p> <p>Assis. Prof. Chmyr N.V.,</p> <p>Assis. Prof. Koljadych M.M.</p>

		<ul style="list-style-type: none"> <li>• Complications and their prevention.</li> </ul> <p><i>Master:</i></p> <ul style="list-style-type: none"> <li>• General rules of cardiopulmonary resuscitation.</li> <li>• CPR technique.</li> </ul>		
P-2	Emergency conditions of exogenous genesis: drowning, suffocation, electric shock, chemical burns, thermal and cold trauma.	<p>Learning objectives of the lesson:</p> <p>Know:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Concept of thermal, chemical and radiation burns, and frostbite.</li> <li><input type="checkbox"/> Stages of burns and frostbite, their characteristics.</li> <li><input type="checkbox"/> The main clinical signs and principles of care for general hypothermia.</li> <li><input type="checkbox"/> Causes and mechanisms of development of solar and heat stroke. Conditions that contribute to overheating of the body. The main clinical signs of sunstroke and heat stroke.</li> <li><input type="checkbox"/> Basic principles of first aid for sunstroke and heat stroke.</li> <li><input type="checkbox"/> Drowning (primary and secondary), its signs. Peculiarities of the position of the victim in case of evacuation from the water.</li> <li><input type="checkbox"/> Asphyxia and its varieties: obturation, strangulation, stenosing, compression, nerve-paralytic, central.</li> <li><input type="checkbox"/> Concept of electric injury. Injury by technical electric current and lightning. Peculiarities of providing medical assistance in case of electric shock. Algorithm for providing first aid in case of electric shock and lightning.</li> </ul> <p>Be able:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Determine the degree of damage and the area of the burn, frostbite (the rule of "palms", the rule of "nines").</li> <li><input type="checkbox"/> Determine the health prognosis of patients with burns and frostbite depending on the degree and area of the burn or frostbite.</li> <li><input type="checkbox"/> Provide first aid for burns.</li> <li><input type="checkbox"/> Provide first aid for sunstroke and heat stroke.</li> <li><input type="checkbox"/> Provide first aid in case of drowning.</li> <li><input type="checkbox"/> Provide emergency assistance in case of asphyxiation.</li> <li><input type="checkbox"/> Provide first aid in case of electric shock and lightning.</li> </ul>	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
P-3	Assessment of the state of consciousness. The concept of coma, principles of emergency medical care.	<p>Learning objectives of the lesson:</p> <p>Know:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Causes of unconsciousness. The main criteria of clear and impaired consciousness. Types of suppression of</li> </ul>	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof.



		consciousness: stupor, sopor, coma. The concept of delusions and hallucinations. Principles of emergency care in case of loss of consciousness. <input type="checkbox"/> Concept of convulsions. Epilepsy, the main clinical manifestations of the disease. The concept of status epilepticus. Emergency medical care for epilepsy. Be able: <input type="checkbox"/> To provide first aid for various degrees of unconsciousness. <input type="checkbox"/> Provide emergency medical care for epilepsy.	LO-14 LO-17	Chmyr N.V., Assis. Prof. Koljadych M.M.
P-4	Determination and assessment of blood pressure, pulse, respiratory rate. The main causes of hemodynamic disorders, concepts of fainting, collapse, shock. Principles of emergency care.	<i>Learning objectives of the lesson:</i> <i>Know:</i> <input type="checkbox"/> The concept of blood pressure. Rules for measuring blood pressure. Concept of pulse. The main characteristics of the pulse: rhythm, frequency, tension, filling, size and shape. <input type="checkbox"/> Estimation of the frequency of respiratory movements. Basic concepts of breathing disorders: accelerated breathing, slowed breathing. <input type="checkbox"/> Grinding: main causes, clinical symptoms. Algorithm for providing first aid in cases of suffocation. <input type="checkbox"/> Collapse: main causes, clinical symptoms. Principles of first aid. <i>Be able:</i> <input type="checkbox"/> Provide first medical aid for lowering and increasing blood pressure. <input type="checkbox"/> Provide first aid in case of suffocation. <input type="checkbox"/> Provide first aid in case of collapse.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
P-5	Acute poisoning: general characteristics of poisons, ways of their entry into the body, principles of first aid.	<i>Learning objectives of the lesson:</i> <i>Know:</i> <input type="checkbox"/> Poisoning. Conditions, classification. Ways of entry of poison into the body. <input type="checkbox"/> Types of poisons. Nonspecific symptoms of intoxication. <input type="checkbox"/> Assessment of the patient's condition - respiratory function, cardiovascular system, consciousness in case of poisoning. <input type="checkbox"/> First aid for poisoning: Gastric lavage technique, sorbents, antidote therapy. <input type="checkbox"/> Carbon monoxide poisoning, clinical manifestations. <input type="checkbox"/> Algorithm for providing first aid for carbon monoxide poisoning. <input type="checkbox"/> Peculiarities of providing first aid for animal bites with rabies. <i>Be able:</i> <input type="checkbox"/> Provide first aid in case of poisoning.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.

		<input type="checkbox"/> Provide first aid for carbon monoxide poisoning.		
P-6	Emergency medical care during an attack of shortness of breath, cough. Emergency medical care in the presence of chest pain, hypertensive crisis.	<p><i>Learning objectives of the lesson:</i></p> <p><i>Know:</i></p> <input type="checkbox"/> The main causes of shortness of breath pathology. Types of shortness of breath. First aid for an attack of bronchial asthma. First aid for cardiac asthma.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
		<input type="checkbox"/> Diagnostic value of different cough variants. First aid for cough. <input type="checkbox"/> The main causes of pain in the chest. <input type="checkbox"/> Main clinical signs of hypertensive crisis. <input type="checkbox"/> First aid for chest pain. <input type="checkbox"/> The main clinical signs of an attack of angina pectoris, myocardial infarction, pneumothorax. First aid.		
		<p><i>Be able:</i></p> <input type="checkbox"/> To provide first aid in the case of a bronchial asthma attack. <input type="checkbox"/> To provide first aid for cardiac asthma attacks. <input type="checkbox"/> Provide first aid for cough. <input type="checkbox"/> Provide first aid for chest pain. <input type="checkbox"/> Provide first aid for an attack of angina pectoris, in case of myocardial infarction, valvular pneumothorax.		
P-7	Emergency medical care for insect and snake bites. The concept of anaphylactic shock. Basic principles of emergency care.	<p><i>Learning objectives of the lesson:</i></p> <p><i>Know:</i></p> <input type="checkbox"/> Snake bites with different types of venom: hemolytic and neurotoxic, main clinical manifestations. <input type="checkbox"/> Principles of emergency first aid for snake bites. <input type="checkbox"/> Insect bites: bees, wasps, hornets, main clinical manifestations. <input type="checkbox"/> Principles of first aid for insect bites.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
		<p><i>Be able:</i></p> <input type="checkbox"/> Provide emergency medical care for snake bites. <input type="checkbox"/> Provide emergency aid for insect bites.		
P-8	Emergency care for abdominal pain, gastrointestinal bleeding.	<p><i>Learning objectives of the lesson:</i></p> <p><i>Know:</i></p> <input type="checkbox"/> Acute diseases of the abdominal cavity: acute appendicitis, cholecystitis, pancreatitis, perforated ulcer of the stomach and duodenum, pinched hernias, intestinal obstruction. Causes of appearance, preliminary diagnosis, first medical aid. <input type="checkbox"/> Mistakes in first aid for abdominal pain. <input type="checkbox"/> Gastrointestinal bleeding. Causes, clinical symptoms, first aid.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.

		<p><i>Be able:</i></p> <input type="checkbox"/> Provide first aid in case of acute abdominal pain.		
P-9	Peculiarities of providing first aid in combat conditions. Crush syndrome.	<p><i>Learning objectives of the lesson:</i></p> <p><i>Know:</i></p> <input type="checkbox"/> The concept of prolonged compression syndrome. <input type="checkbox"/> Course periods, characteristic clinical signs. <input type="checkbox"/> First aid measures. <p><i>Be able:</i></p> <input type="checkbox"/> Provide first aid for prolonged compression syndrome.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-15 LO-17 LO-24	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-1	Organizational principles of first aid. Concept of paramedicine. Basics of the legislation of Ukraine regarding the rights and duties of a medical worker.	Self-study with the organizational principles of first aid. Concept of paramedicine. Basics of the legislation of Ukraine regarding the rights and duties of a medical worker.	LO-1 LO-2 LO-3 LO-4 LO-8 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-2	Historical aspect of emergency medicine. Evolution of the cardiopulmonary resuscitation algorithm. Features of providing emergency care to patients with infectious diseases, tuberculosis.	Self-study with the historical aspect of emergency medicine. Evolution of the cardiopulmonary resuscitation algorithm. Features of providing emergency care to patients with infectious diseases, tuberculosis.	LO-1 LO-2 LO-3 LO-4 LO-8 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-3	Burn injury. Classification of burns according to the depth of tissue damage. Thermoinhalation damage to respiratory organs. Signs of poisoning by combustion products. Principles of emergency care.	Self-study with the physiology of thermoregulation. Hypothermia, hyperthermia, sunstroke, heat stroke. The method of providing emergency aid.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-4	The concept of chemical burns. The mechanism of action of acids and alkalis on the body. Principles of emergency care	Self-study with the concepts of chemical burns. The mechanism of action of acids and alkalis on the body. Principles of emergency care.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-5	Bites of poisonous snakes, spiders, insects: clinical signs and emergency care. General and specific measures for snake bites, concepts of specific antidotes. Emergency care for anaphylactic shock.	Self-study of the bites of poisonous snakes, spiders, insects: clinical signs and emergency care. General and specific measures for snake bites, concepts of specific antidotes. Emergency care for anaphylactic shock.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof.

				Koljadych M.M.
S-6	Antidote therapy.	Self-study of antidote therapy. The main types of antidote therapy.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-7	Acute mental disorders and crisis states (PTSD - post-traumatic stress disorder). General principles of providing pre-medical care for psycho-neurological disorders. First aid for epilepsy.	Self-study of some acute mental disorders and crisis states. Psychosis, mood disorders, manic-depressive psychosis, anxiety disorders. Types of emergency response.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-8	The concept of renal colic, acute renal failure, acute urinary retention. Principles of emergency care.	Self-study of the problem of acute renal failure, acute urinary retention. Organization of assistance to such patients.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-9	Principles of providing first aid for some infectious diseases (meningitis, botulism, cholera, diphtheria, AIDS). Algorithm of actions for the prevention of probable HIV infection.	Self-study of the principles of providing first aid for some infectious diseases (meningitis, botulism, cholera, diphtheria, AIDS). Algorithm of actions for the prevention of probable HIV infection.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Проф. Дутка Р.Я. Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-10	The concept of catastrophes and natural disasters. Rules for sorting and transporting victims from the affected area in the event of catastrophes and natural disasters.	Self-study of the types of transportation of the victim from the affected area in the event of disasters, natural disasters. Be able to properly transport the patient according to his condition.	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-17	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
S-11	Types of emergency response. Suicidal states. Emergency measures in the event of a suicide attempt. Methods of behavior with patients with acute mental disorders. Principles of patient immobilization and first aid.	Self-study of general principles and methods of behavior with patients with acute mental disorders. Principles of patient immobilization and first aid	LO-1 LO-2 LO-3 LO-4 LO-5 LO-8 LO-14 LO-15 LO-17 LO-24	Assoc.Prof., Abrahamovych K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
C-12	Bleeding and blood loss. First aid for bleeding. Concepts and	Self-study of types of bleeding. First aid for bleeding. Methods of temporary	LO-1 LO-2	Assoc.Prof., Abrahamovych

methods of temporary and final stopping of bleeding	stopping of bleeding (finger pressure, compression bandage, maximum bending and lifting of the limbs, applying a tourniquet, twisting). The concept of the final stop of bleeding.	LO-3 LO-4 LO-5 LO-8 LO-14 LO-15 LO-17 LO-24	K.J., Assis. Prof. Kurban M. M., Assis. Prof. Chmyr N.V., Assis. Prof. Koljadych M.M.
---	--	--	---

### 8. Verification of training results

Methods and forms of control and evaluation of student performance in the discipline are carried out in accordance with the requirements of the program and Instructions for evaluating students' learning activities in the implementation of the European credit transfer system, approved by the Ministry of Health of Ukraine (letter of the Ministry of Health of Ukraine № 08.01-47 / 10395 from 15.04. 2014).

When assessing students' knowledge, preference is given to standardized methods of control: testing (oral, written, computer), structured written work, structured control of practical skills.

Types of control: current and final.

Form of final control: credit.

Current control is carried out during the training sessions and is aimed at verifying students' learning of the material.

Students' independent work, in addition to traditional pre-class training on theoretical issues, includes work on topics that are not covered by practical classes.

**Current control** is carried out during training sessions and is aimed at checking students' assimilation of educational material. The form of ongoing control during training sessions is determined by the working training program of the discipline. Current control is carried out at each practical session. When assessing students' knowledge, preference is given to standardized control methods: testing (oral, written, computer), structured written works, structured control of practical skills.

*Assessment of current educational activities.* During the assessment of mastery of each topic for the current educational activity, the student is given grades on a 4-point (traditional) scale, taking into account the approved evaluation criteria for the relevant discipline, with subsequent transfer to a multi-point scale. At the same time, all types of work provided by the educational program are taken into account. The student receives a grade for each topic. Forms of assessment of current educational activities are standardized and include control of theoretical and practical training.

Current control is carried out in accordance with specific goals in each practical session. The following means of diagnosing the level of students' training are used for control: computer tests, control of practical skills in providing emergency care.

Control of the performance of independent work, which is provided for in the topic along with classroom work, is carried out during the current control of the topic in the corresponding classroom session. Methods of current control: oral questioning, written express control, speeches during the discussion of issues in practical classes, testing, control task: *Theoretical knowledge* – written and computer testing, individual survey, interview, content-structured written works. *Practical skills and abilities* - control of the performance of standardized first aid practical skills according to the methodology.

**Form of final control in accordance with the curriculum - credit.**

**Scheme of calculation and distribution of points received by students**

**Assessment of current training activities.** When assessing the mastering of each topic for the current educational activity, the student is awarded a 4-point (traditional) scale, taking into account the approved evaluation criteria for discipline. It takes into account all types of works provided for by the curriculum. The student should get an assessment on each topic. Forms of assessment of current educational activities are standardized and include the control of theoretical and practical training.

**The grade is "excellent"** when the student knows the content of the class and the lecture material in full, illustrating the answers by various examples; provides exhaustively accurate and clear answers without any inquiries; teaches the material without errors and inaccuracies; freely solves problems and performs practical classes of varying degrees of complexity.

**The grade is "good"** when the student knows the content of the lesson and understands it well, the answers to the questions are presented correctly, consistently and systematically, but they are not exhaustive, although the student answers without any errors for additional questions; solves all the tasks and performs practical classes, attending complexities only in the most difficult cases.

**The grade is "satisfactory"** for the student on the basis of his knowledge of all the content of the

class and at a satisfactory level of his understanding. Student is able to solve modified (simplified) tasks by means of guiding questions; solves problems and performs practical skills, experiencing complexity in simple cases; unable to independently give a systematic answer, but the questions directly answered correctly.

**The rating "unsatisfactory"** is displayed in cases when the student's knowledge and skills are not in accordance with the requirements of "satisfactory" assessment.

**Assessment of independent work:**

Assessment of students' independent work, which is envisaged in the topic along with classroom work, is carried out during the current control of the topic at the appropriate classroom session. The evaluation of topics that are made only for independent work and not included in the topics of classroom training is monitored at the final control.

**The final control is** conducted to evaluate the results of the training on the national scale and the ECTS scale.

The control is conducted in the form of a differentiated score from the discipline in the amount of study material determined by the work program and in the timeframe established by the work curriculum, the individual student's curriculum.

**The maximum number of points** that a student can score for the current semester training for admittance to the score is 200 points.

**The minimum number of points** that the student should collect for the current training semester work for admission to the score is 120 points.

The calculation of the number of points is based on the student's assessment of the traditional scale during the study of discipline, by calculating the average arithmetic (CA), rounded up to two decimal places. The resulting value is converted to a score on a multi-scale scale in the following way:

$$X = CA \times 200 / 5$$

For convenience is shown table 1:

**Table 1**

4- бальна шкала	200- бальна шкала	4- бальна шкала	200- бальна шкала	4- бальна шкала	200- бальна шкала	4- бальна шкала	200- бальна шкала
5	200	4.45	178	3.92	157	3.37	135
4.97	199	4.42	177	3.89	156	3.35	134
4.95	198	4.4	176	3.87	155	3.32	133
4.92	197	4.37	175	3.84	154	3.3	132
4.9	196	4.35	174	3.82	153	3.27	131
4.87	195	4.32	173	3.79	152	3.25	130
4.85	194	4.3	172	3.77	151	3.22	129
4.82	193	4.27	171	3.74	150	3.2	128
4.8	192	4.24	170	3.72	149	3.17	127
4.77	191	4.22	169	3.7	148	3.15	126
4.75	190	4.19	168	3.67	147	3.12	125
4.72	189	4.17	167	3.65	146	3.1	124
4.7	188	4.14	166	3.62	145	3.07	123
4.67	187	4.12	165	3.57	143	3.02	121
4.65	186	4.09	164	3.55	142	3	120
4.62	185	4.07	163	3.52	141	Менше 3	Недос- тагньо
4.6	184	4.04	162	3.5	140		
4.57	183	4.02	161	3.47	139		
4.52	181	3.99	160	3.45	138		
4.5	180	3.97	159	3.42	137		
4.47	179	3.94	158	3.4	136		

Score points are independently converted into both ECTS and 4-point scales. The ECTS scores are not converted in to the 4-point scale and vice versa.

Discipline scores for students who have successfully completed the program are converted into a traditional 4-point scale according to the absolute criteria, which are given in the table below:

**Table 2**

Points from discipline	Grade on 4-point scale score
From 170 to 200 points	5
From 140 to 169 points	4

From 139 points to the minimum	3
The number of points that student must collect	2

Points of students studying in one specialty, taking into account the number of points scored from the discipline, are ranked on the ECTS scale as follows (table 2):

**Table 2**

<b>Points ECTS</b>	<b>The statistical indicator</b>
<b>A</b>	<b>The best 10% of students</b>
<b>B</b>	<b>The next 25% of students</b>
<b>C</b>	<b>The next 30% of students</b>
<b>D</b>	<b>The next 25% of students</b>
<b>E</b>	<b>The last 10% of students</b>

The ECTS mark on a traditional scale is not converted because the ECTS scale and the four-point scale are independent.

### **9. Course policy**

The policy of the academic discipline is determined by the system of requirements for the student when studying the discipline "First Medical Aid" and is based on the principles of academic integrity. Students are explained the value of acquiring new knowledge, academic norms that must be followed, why they are important, what academic integrity is, what its values and functions are, how students can contribute to its development by their actions; the essence, features and reasons for the inadmissibility of academic plagiarism are explained, students of higher education are encouraged to independently complete educational tasks, to correctly refer to sources of information in case of borrowing ideas, statements, and information.

Applicants of higher education should perfectly possess clinical thinking, fundamental and special knowledge and skills regarding the main patterns of disease development, principles of clinical examination and instrumental research of various organs and systems of the body, thoroughly know the semiotics of syndromes of damage to various organs and systems and the most common diseases of the adult body.

The study discipline "First medical aid" is an optional course for students of the II courses of study of the specialty 222 "Medicine", English speaking students. A student who has chosen a subject is obliged to fully master the knowledge, skills, practical skills and competencies of this discipline.

***Policy on compliance with the principles of academic integrity of students of higher education:***

- independent performance of educational tasks of current and final tests without using external sources of information, except for cases permitted by the teacher, preparation of practical tasks during class;
- writing off during knowledge control is prohibited (including using mobile devices);
- independent performance of individual tasks and correct design of references to sources of information in case of borrowing ideas, statements, information.

***Policy on compliance with the principles and norms of ethics and deontology by students of higher education:***

- actions in professional and educational situations from the standpoint of academic integrity and professional ethics and deontology;
- compliance with the internal rules of the clinical base of the department, to be tolerant, friendly and balanced in communication with students and teachers, patients, medical staff of the health care institution;
- awareness of the importance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

***Policy regarding attendance of classes by students of higher education:***

- attendance at all classes is mandatory for the purpose of current and final evaluation
- knowledge (except for good reason).

***The policy of rewriting topics and making up for missed classes by students of higher education:***

- missed classes are made up according to the schedule
- rewriting the topic of the lesson for which the student received a negative grade is carried out at a time convenient for the teacher and the student outside of classes, the maximum grade is "good"
- it is not allowed to rewrite the topic during the current training and final control in order to increase the grade

**10. Literature**

**METHODICAL SUPPORT:**

1. First Aid Manual. 11th Edition. Written and Authorised by the UK's Leading First Aid Providers . 2021
2. Бевз О.В., Ющик Л.В., Новосад А.Б., Гайдук А.Б., Івасівка Р.С. (За ред. проф. Дутки Р.Я.) Методично-навчальний посібник з першої допомоги і елементів медсестринства для студентів I-II курсу медичних факультетів вищих медичних закладів III- IV рівнів акредитації. 2022.- 108 с.
3. Семен Х.О., Ющик Л.В., Бевз О.В., Гайдук А.Б., Рогуля С.С. (за ред. проф. О.Г. Яворського) / Методичні рекомендації з догляду за хворими для студентів II курсу медичних факультетів вищих навчальних закладів III-IV рівнів акредитації. 2022.– 40 с.
4. Лекції / О.В. Бевз. – Львів, 2022.

**RECOMMENDED LITERATURE:**

**Main:**

1. Невідкладна медична допомога на догоспітальному етапі [Текст] : навч. посібн. для студ. вищ. навч. заклад. IV р. акред. / В. А. Левченко, І. П. Вакалюк, М. В. Максим'як та ін. ; за ред. В.А. Левченка. - 4 вид., переробл. та доповн. - Івано-Франківськ : Петраш К.Т., 2020. - 612 с.
2. Перша екстрена і тактична медична допомога на догоспітальному етапі [Текст] : навч. посібн. для студ. мед. (фармац.) коледжів, училищ, інститутів медсестринства та університетів / за ред. В.С. Тарасюка. - 3 - є вид., преробл. та доповн. - К. : ВСВ "Медицина", 2019. - 504 с. : іл.
3. Халмурадов, Б. Д. Медицина надзвичайних ситуацій [Текст] : Підручник / Б. Д. Халмурадов, П. Б. Волянський. - К. : Центр учбової літератури, 2021. - 208 с.: іл.
4. Екстрена та невідкладна медична допомога [Текст] : Навчальний посібник для студ.вищ. навч. закл. / За заг. ред. Шкурупія Д.А. /Бодулев О.Ю., Дикий О.М., Могильник А.І., Сонник Є.Г., Шумейко О.Г., Шкурупій Д.А. - Вінниця : Нова Книга, 2017. - 240 с. : іл.
5. Emergency and Urgent medical care [Текст] = Екстрена та невідкладна медична допомога : навч. посібн. для студ. вищ. навч. закл. МОЗ України / за ред. Шкурупія Д.А. / Бодулев О. Ю., Дикий О.М., Могильник А.І./ - Вінниця : Нова книга, 2019. - 200 с. : іл.
6. Долікарська допомога: навч. посіб. / Т. Л. Білоус. – Суми: видавничо-виробниче підприємство «Мрія», 2020. 148 с.
7. Антонов А. Г. Основи медичної допомоги / А. Г. Антонов, А. М. Колесніков, Н. О. Комісарова. Київ: КНТ, 2018. 338 с. (друге, перероблене, доповнене).
8. Догляд за хворими і медична маніпуляційна техніка: навч. посібн. для студ. вищ. мед. навч. заклад. I— III р. акред. /Любов Савка, Людмила Резнікова, Олена Коцар./- 4 вид., переробл. та доповн. - К. : ВСВ "Медицина", 2018. - 600 с. : іл.
9. Перша долікарська допомога: навч. посібн. для студ. вищ. фарм. навч. закла. та фарм. факульт. вищ. мед. навч. закл. IV р. акред./ Кіт О.М., Ковальчук О.Л., Вардинець І.С./.- Тернопіль, ТДМУ: Укрмедкнига, 2018. – 336 с.
10. Екстрена та невідкладна медична допомога : Підручник для студ. III–VI курсів мед. факульт., лікарів, рятівників, парамед., волонт. з питань надання сучасних методів екстреної домед. та мед. допом. /Льовкін О.А., Перцов В.І./.- Магнолія, 2021. – 212 с.
11. Андрущенко В.П. Перша долікарська допомога / В.П. Андрущенко, Ю.Ф. Кушта, Д.В. Андрущенко. – Львів. – 2011. – 347 с.
12. Перша долікарська допомога /П.Д. Фомін, Т.Д. Никула, В.О. Мойсеєнко, П.В. Іванов: Підручник /За загальною редакцією П.Д. Фоміна /Національний медичний університет ім.. О.О.Богомольця. – Київ: Майстер книг. – 2014. – 616 с.
13. Нетяженко В.З. Догляд за хворими /В.З. Нетяженко, І.М. Щуліпенко, Л.А. Дяківська. – К.: «Здоров'я», 2013. – 592 с.
14. Ковальова О.М. Догляд за хворими (практика) / О.М. Ковальова, В.М. Лісовий, С.І. Шевченко, Т.В. Фролова. – Київ, ВСВ «Медицина». – 2013. – 483 с.
15. Щуліпенко І.М. Загальний та спеціальний догляд за хворими з основами валеології /І.М. Щуліпенко. – К.: «КИЙ», 1998. – 384 с.
16. Семен Х.О., Ющик Л.В., Бевз О.В., Гайдук А.Б., Рогуля С.С. (за ред. проф. О.Г. Яворського) /



Методичні рекомендації з догляду за хворими для студентів II курсу медичних факультетів вищих навчальних закладів III-IV рівнів акредитації. 2022. – 40 с.

17. Перша медична допомога: Підручник для мед. ВНЗ I – III рів. акрид. – 4-те вид., випр. Затверджено МОЗ /Петриненко Т.В. – К., 2012. – 275 с.
18. 30 невідкладних станів у терапії: Навчальний посібник /За ред. проф.. Ю.М. Мостового. – Київ: Центр ДЗК, 2017 – 128 с.
19. Титов І.І., Волошинський О.В., Глушко Л.В., Пацюк О.І. Алгоритми надання невідкладної допомоги у критичних станах: навчальний посібник / Видання 4-те, доповнене. – Вінниця: НОВА КНИГА, 2010. – 292 с.
20. Уніфікований клінічний протокол екстреної медичної допомоги хворим на гострі отруєння, затверджений Наказом МОЗ України № 34 від 15.01.2014 р. 11. Перша екстрена і тактична медична допомога на догоспітальному етапі: навч. посіб. / В.С. Тарасюк, М.В. Матвійчук, І.В. Паламар та ін.; за ред. В.С. Тарасюка. – 3-є вид., переробл. та допов. – К.: ВСВ "Медицина", 2019. – 504 с.
21. Перша медична допомога: підручник / І.М. Григус, М.Я. Романишин. – Львів: Новий світ-2000, 2019. – 267 с.
22. Ramrakha P.S., Moore K.P. Oxford Handbook of Acute Medicine. – 2010. – P. 222 - 228.

**Additional:**

1. Невідкладні стани: Підруч. для студентів вищ. мед. навч. закл. III-IV рівнів акредитації (за ред. М.С. Регеди, В.Й. Кресюна; ЛДМУ ім. Данила Галицького, Одеський державний медичний університет. – Л.: Магнолія, 2008. – 835 с.
2. Скакун М.П. Невідкладна допомога при гострих отруєннях: Навч. посіб. для студентів вищих медичних закладів III-IV рівнів акредитації /М.П. Скакун; Тернопільський державний медичний університет ім. І.Я. Горбачовського. – 2-е вид., допов. – Т.: ТДМУ: Укрмедкн., 2005. – 243 с.
3. Кіт О.М. Перша долікарська допомога /О.М. Кіт, О.Л. Ковальчук, І.С. Вардинець, А.О. Боб. – Т.:ТДМУ: Укрмедкн., 2008. – 335 с.
4. Перша медична допомога: підручник / Т.В. Петриченко. – 4-те вид., випр. – К.: ВСВ "Медицина", 2015. – 271 с.
5. Невідкладна допомога: короткий виклад і тестові завдання: навчальний посібник / Н.В. Наливайко – Львів: ЛНУ імені Івана Франка, 2012. – 220 с.
6. Перша екстрена і тактична допомога на догоспітальному етапі: навч. посіб. / В.С. Тарасюк, М.В. Матвійчук, І.В. Паламар та ін.; за ред. В.С. Тарасюка. – 3-є вид., переробл. та допов. – К. : ВСВ "Медицина", 2019. – 503 с.

**11. Equipment, logistical and software support of the discipline/course**

- Working curriculum of the discipline;
- Plans of lectures, practical classes and independent work of students;
- Methodical instructions for practical classes for students;
- Methodical materials that ensure independent work of students;
- Test and control tasks for practical classes, situational tasks;
- A list of questions that students should master in the process of studying the discipline;

The development of test-control questions, situational tasks for interviews and practical tasks used to diagnose the success of the study is based on the list of questions that the student must master when studying the discipline "First medical aid". The sets of practical tasks are standardized according to the method of performing a practical lesson.

**12. Additional information**

Responsible for the educational process – associate professor, MD, PhD Novosad A.B., [novosdanna00@gmail.com](mailto:novosdanna00@gmail.com) .

Responsible for students of the English department - associate professor, MD, PhD Abrahamovych K.J., [nef\\_kristina@ukr.net](mailto:nef_kristina@ukr.net) .

Students come to classes in dressing gowns, changeable medical shoes, and a mask in their pockets.

Student must have a notebook and a pen. At practical classes it is necessary to have own stethoscope.

Compilers of a syllabus

associate professor, MD, PhD Novosad A.B.  
associate professor, MD, PhD Abrahamovych K.J.

assistant professor, MD, PhD Kurban M. M.  
assistfnt prof. Chmyr N.V.