



## Syllabus of discipline

<b>1. General information</b>	
<b>Name of the faculty</b>	Pharmaceutical
<b>Educational program</b> ( <i>area, specialty, level of higher education, form of study</i> )	22 Healthcare, 226 Pharmacy, second (master's) level of higher education, full-time
<b>Academic year</b>	Second
<b>Discipline name, code</b> ( <i>address on the website of Danylo Halytsky Lviv National Medical University</i> )	<p>First aid with introductory medical practice, OK 47.</p> <p><a href="https://new.meduniv.lviv.ua/uploads/repository/kaf/kaf_gensurgery/02.%D0%9D%D0%B0%D0%B2%D1%87%D0%B0%D0%BB%D1%8C%D0%BD%D1%96_%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%B8/03_%D0%A4%D0%B0%D1%80%D0%BC%D0%B0%D1%86%D0%B5%D0%B2%D1%82%D0%B8%D1%87%D0%BD%D0%B8%D0%B9_%D1%84%D0%B0%D0%BA%D1%83%D0%BB%D1%8C%D1%82%D0%B5%D1%82/02_%D0%BA%D1%83%D1%80%D1%81/01_%D0%9F%D0%B5%D1%80%D1%88%D0%B0_%D0%BC%D0%B5%D0%B4.%D0%B4%D0%BE%D0%BF%D0%BE%D0%BC%D0%BE%D0%B3%D0%B0_%20%D0%B7_%D0%BC%D0%B5%D0%B4.%D0%BE%D0%B7%D0%BD%D0%B0%D0%B9%D0%BE%D0%BC%D1%87%D0%BE%D1%8E_%D0%BF%D1%80%D0%B0%D0%BA%D1%82%D0%B8%D0%BA%D0%BE%D1%8E.pdf">https://new.meduniv.lviv.ua/uploads/repository/kaf/kaf_gensurgery/02.%D0%9D%D0%B0%D0%B2%D1%87%D0%B0%D0%BB%D1%8C%D0%BD%D1%96_%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%B8/03_%D0%A4%D0%B0%D1%80%D0%BC%D0%B0%D1%86%D0%B5%D0%B2%D1%82%D0%B8%D1%87%D0%BD%D0%B8%D0%B9_%D1%84%D0%B0%D0%BA%D1%83%D0%BB%D1%8C%D1%82%D0%B5%D1%82/02_%D0%BA%D1%83%D1%80%D1%81/01_%D0%9F%D0%B5%D1%80%D1%88%D0%B0_%D0%BC%D0%B5%D0%B4.%D0%B4%D0%BE%D0%BF%D0%BE%D0%BC%D0%BE%D0%B3%D0%B0_%20%D0%B7_%D0%BC%D0%B5%D0%B4.%D0%BE%D0%B7%D0%BD%D0%B0%D0%B9%D0%BE%D0%BC%D1%87%D0%BE%D1%8E_%D0%BF%D1%80%D0%B0%D0%BA%D1%82%D0%B8%D0%BA%D0%BE%D1%8E.pdf</a></p>
<b>Department</b> ( <i>name, address, phone, e-mail</i> )	Department of General Surgery, Lviv clinical emergency care hospital, department of surgery # 2 (main clinical base) Lviv, 9 Mykolaychuka Street, tel .: 258-74-86, fax: 291-72-31 kaf_gensurgery@meduniv.lviv.ua
<b>Head of the department</b> ( <i>contact e-mail</i> )	Andriushchenko Viktor Petrovych, professor tel. 291-72-31, e-mail: kaf_gensurgery@meduniv.lviv.ua
<b>Year of study</b> (the year in which the discipline is being studied)	Second year of study
<b>Semester</b> ( <i>semester in which the study of the discipline is implemented</i> )	3rd semester
<b>Type of course / module</b> ( <i>compulsory / optional</i> )	Compulsory
<b>Teachers</b> (names, surnames, scientific degrees and titles, contact e-mail)	Paranyak Mykola Romanovych, PhD. mykolamd@gmail.com
<b>Erasmus</b> yes / no ( <i>availability of the discipline for students within the Erasmus + program</i> )	No
<b>Person responsible for the</b>	Paranyak Mykola Romanovych, PhD.

syllabus (the person to whom comments on the syllabus should be provided, contact e-mail)	mykolamd@gmail.com
Number of ECTS credits	3
Number of hours ( <i>lectures / practical lessons / independent work of students</i> )	90
Language	English
Information about consultations	according to the current schedule
Address, telephone number and working hours of the clinical base, bureau ... (in case of necessity)	Department of General Surgery, Lviv clinical emergency care hospital, department of surgery # 2 (main clinical base) Lviv, 9 Mykolaychuka Street, tel .: 258-74-86, fax: 291-72-31 kaf_gensurgery@meduniv.lviv.ua

## **2. Short annotation to the course**

Among the wide range of academic disciplines provided for mastering by masters of pharmacy, it is the subject "First aid with introductory medical practice" that allows you to acquire knowledge, skills and practical skills that enable a specialist to quickly and correctly navigate an emergency situation, avoid fatal mistakes or loss of time, and take priority steps that will save a person's life and / or become a good basis for its successful further treatment in a hospital. The assimilation of the discipline is based on the knowledge gained by students in the process of studying anatomy, biology, physiology and other basic subjects.

When mastering the discipline "First aid with introductory medical practice", it is rational to introduce into the educational process modern world practices and standards of first aid with the widespread use of complex practice-oriented teaching tools.

The draft program of the academic discipline "First aid with introductory medical practice" was drawn up in accordance with the requirements of the Constitution of Ukraine, the Laws of Ukraine "On Education", "On Higher Education", "On Scientific and Scientific and Technical Activities", "On Information"; normative acts of the Cabinet of Ministers of Ukraine; orders of the Ministry of Education and Science of Ukraine and the Ministry of Health of Ukraine and other current legislation regulating the organization of the educational process and the procedure for training specialists in higher medical (pharmaceutical) educational institutions of the Ministry of Health of Ukraine, in particular, Letters of the State Institution "Central Methodological Office of Higher Medical Education of the Ministry of Health of Ukraine" dated 03/10/2017 No. 23-01-9 / 87; Letters of the Ministry of Health of Ukraine dated July 26, 2016 No. 23-01-9 / 268; Order of the Ministry of Education and Science of Ukraine dated 16.10.2009, No. 943 "On the introduction of the European credit and transfer system in higher educational institutions of Ukraine"; Resolutions of the Cabinet of Ministers of Ukraine dated April 29, 2015 No. 266 "On approval of the list of branches of knowledge and specialties for which the training of applicants for higher education is carried out."

## **3. The purpose and objectives of the course**

1. The purpose of the course is mastering the basic theoretical skills of first aid, mastering the skills of providing emergency medical care to victims at the scene of the accident and during transportation to a medical institution.

2. Learning objectives - mastering knowledge, skills and abilities to ensure complete and timely implementation of cardiopulmonary resuscitation, stopping bleeding, applying bandages and service and improvised splints for transport immobilization of the victim in order to save his life.

3. Competencies and learning outcomes, the formation of which ensures the study of the discipline: integral: the ability to solve complex problems and practical problems in the field of professional activity 22 "Health", providing for the use of certain theoretical knowledge, skills, practical skills and methods of the corresponding professional direction; - general: the ability to apply knowledge in real situations; conducting research at the appropriate level; adaptation and action in new situations, activities in autonomous and command modes, assessment and quality assurance of work performed; communication in the state language, both orally and in writing, to the search, processing and analysis of information from various sources; identifying and solving problems; making informed decisions, the formation of basic ideas that contribute to the development of general culture and socialization of the individual, moral values, important stages of national history, the ability to understand the cause-and-effect relationships of the development of society with their use in professional and social activities on the basis of; provisions of the fundamental sciences, as well as activities in accordance with the basic safe and ethical principles (motives), -special (professional, subject): first aid for various types of injuries in peace and wartime, emergency conditions and accidents; basic nursing procedures; ways of transferring and transporting victims; principles of organizational and tactical principles of work of the medical service in emergency situations and at the stages of evacuation of victims from the scene; provision of qualified assistance for: respiratory failure, cardiac arrest, burns and frostbite, drowning and other types of mechanical asphyxia, fainting, shock, general hypothermia, heat and sunstroke, carbon monoxide poisoning and other poisons, electric shock, food poisoning etc.

#### **4. Course prerequisites**

1. The subject of the discipline is the organization of the provision of first aid for emergency conditions arising at work, in everyday life, during road accidents, disasters, man-made accidents, in military situations and in acute therapeutic and surgical diseases and terminal conditions.

2. Interdisciplinary communication in the study of the academic discipline: normal and pathological anatomy, normal and pathological physiology, histology and pharmacology, propaedeutics of internal diseases, pharmacology.

3. Learning outcomes: Integrative final program learning outcomes, the formation of which is facilitated by the discipline: apply knowledge in practical situations; carry out experimental research and demonstrate skills on professional topics, adapt to new situations, work effectively both autonomously and as part of a team; Responsibly treat the work performed in order to achieve the set

goal; use information and communication technologies to solve various research and professional problems; search for information in various sources to solve the problems of the specialty, make informed decisions with an assessment of their consequences, show the ability to public, business and scientific communications; observe the code of professional ethics, moral norms and values, rules of etiquette, understand the basic principles of labor protection and life safety in the field of professional activity; to master the techniques of providing first premedical aid for various types of injuries, the principles of first aid in case of emergencies and accidents; in particular, when breathing is disturbed; cardiovascular activity and other vital functions of the body, master the principles of providing medical care for burns, frostbite, drowning and other types of mechanical asphyxia; with various types of shock; general hypothermia, heat and sunstroke, in case of poisoning with carbon monoxide and other poisons, to master the principles of medical care in case of electric shock and lightning. Learning outcomes for the discipline: mastering knowledge, skills and abilities to ensure complete and timely cardiopulmonary resuscitation, stopping bleeding, bandaging and transport immobilization of the victim in order to save his life.

### **5. Programmatic learning outcomes**

#### **List of learning outcomes**

Learning result code	Content of the learning outcome	Link to the competency matrix code
Um-1	Collect data on patient complaints, anamnesis of illness and life, conduct and evaluate the results of a physical examination.	PR-1
Um-2	Evaluate information regarding the diagnosis, applying a standard procedure based on the results of laboratory and instrumental diagnostic methods.	PR-2
Um-3	Highlight the leading clinical symptom or syndrome. Establish a probable or syndromic diagnosis. Assign laboratory and / or instrumental examination of the patient. Carry out differential diagnosis of diseases. To establish a preliminary and clinical diagnosis.	PR-3
AB-1	Determine the tactics of providing emergency medical care based on the diagnosis of an emergency condition.	PR-7
AB-2	Provide emergency medical care based on the diagnosis of a medical emergency.	PR-8
AB-3	Organize medical treatment evacuation measures among the population and military personnel, taking into account the existing systems of medical and evacuation support.	PR-9
K-1	Perform medical manipulations.	PR-11
K-2	Investigate volumes and effectiveness activities of a doctor, department, health care institution; identify defects in activities and the reasons for their formation. Select and use	PR-19

	unified clinical protocols for the provision of medical care, developed on the principles of evidence-based medicine; develop and use local protocols for health care delivery. Carry out quality control of medical care; determine the factors that impede the improvement of the quality and safety of medical care. Estimate the cost of medical services; justify the choice of an adequate method of financing (payment) and the choice of rational forms of organizing the provision of medical services. Apply methods of economic analysis when choosing methods of diagnosis, prevention, treatment, rehabilitation.	
K-3	Form goals and determine the structure of personal activities.	PR-21
AB-4	Adhere to a healthy lifestyle use self-regulation techniques and self-control	PR-22
Zn-1	To be aware of and be guided in their activities by civil rights, freedoms and obligations, to raise the general educational level.	PR-23
Zn-2	Adhere to the requirements of ethics, bioethics and deontology in professional activities.	PR-24
AB-5	Organize the necessary level of individual safety (own and those who cares about) in the event of typical dangerous situations in the individual field of activity.	PR-25

#### 6. Format and scope of the course

Course format (Specify full-time or part-time)	full-time	
Type of lessons	Number of hours	Number of groups
lectures	10	
practical lessons	40	8
seminars	-	
independent work	40	8

#### 7. Тематика та зміст курсу

Code of the type of lesson	Topic	Learning content	Learning outcome code	Teacher
L-1	Introductory lecture. First aid designation. General principles and logic of first aid provision in peacetime, wartime and in case of mass defeats. Triage principles.	Information about first aid in peacetime and wartime is described. Educational tables, presentations	K-1, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	Diagnostic and treatment algorithms. Typical mistakes.			
L-2	Fundamentals of resuscitation. Terminal states. Cardiopulmonary resuscitation.	Information about terminal conditions and an algorithm for performing cardiopulmonary resuscitation is described Educational tables, presentations	K-1, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
L-3	First aid for injuries. Urgent action at the site of injury. Rules for the evacuation of the injured. Methods of immobilization, transportation. Typical mistakes.	Information about injuries, traumatism, transport immobilization is described. Training tables, presentations	K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
L-4	Bleeding: classification, clinical picture, diagnosis, methods and means of temporary and final stopping of bleeding.	Information on bleeding, methods of temporary and final hemostasis is described/ Educational tables, presentations	K-1, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
L-5	First aid for acute surgical and therapeutic diseases. Typical mistakes.	Information on acute surgical and therapeutic diseases is described. Educational tables, presentations	K-1, K-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-1	Basic principles of general and special care for surgical and	To be able to take care of surgical patients and perform the simplest surgical procedures.	ЗН-1, УМ-1	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	trauma patients. The concept of hypurgia	Tools for practicing practical skills, training films, diagrams, tables, presentations		
P-2	Asepsis, antisepsis. Principles of asepsis and antisepsis in time of first aid.	To know the basic rules of asepsis and antisepsis. Tools for practical skills, training films, diagrams, tables, presentations	Zn-1	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-3	Desmurgy. Types of dressings. The rules and technique of bandaging.	Be able to apply basic dressings. Educational films, diagrams, tables, presentations, means for temporarily stopping bleeding.	Um-2, AB-1, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-4	Desmurgy. Bandages on different parts of the body: on the head, on the chest, on the abdomen, on the upper and lower extremities.	Be able to apply basic dressings. Instructional films, diagrams, tables, presentations, tools for bandaging	Um-2, AB-1, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-5	Terminal states. Signs and diagnosis of clinical, biological and social death. Principles and algorithm for providing first aid. Shock and shock states.	To know the main types of terminal conditions, signs of clinical and biological death. Be able to provide first aid. Educational films, schemes, tables, presentations.	Zn-1, Um-3, K-3, AB-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-6	Cardiopulmonary resuscitation. General rules,	To know the criteria of effectiveness and mistakes of cardiopulmonary	Zn-2, Um-2, AB-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	technique of performing. Criteria for effectiveness and mistakes in CPR.	resuscitation. Be able to perform cardiopulmonary resuscitation. Educational films, schemes, tables, presentations.		
P-7	Bleeding, definition, classification. Methods for temporarily stopping bleeding at the stage of first aid. The concept of the final stop of bleeding. Mistakes in stopping bleeding.	To know the main manifestations of bleeding. Be able to temporarily stop bleeding. Educational films, diagrams, tables, presentations, tools for temporarily stopping bleeding.	Zn-1, AB-1, K-2, Um-1	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-8	Hemorrhagic shock. First aid. Features of first aid for internal bleeding. The concept of blood transfusion.	To know the diagnostic criteria for hemorrhagic shock, signs of internal bleeding. Educational films, diagrams, tables, presentations.	Zn-1, K-2, Um-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-9	Classification of the wounds. First aid for various types of wounds.	To know the main components of the wound process. To be able to prevent wound infection. Educational films, diagrams, tables, presentations.	Zn-2, Um-1, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-10	Gunshot wounds and mine blast injuries. Bite wounds. Providing first aid. Prevention of a specific surgical infection (tetanus, rabies, gas gangrene).	To know the main manifestations of gunshot and bite wounds. Be able to provide first aid and prevent specific surgical infection. Educational films, schemes, tables, presentations.	Zn-1, K-1, AB-3, Zn-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.



P-11	Trauma, injury. Classification of injuries. Organization of first aid for various types of injuries. Traumatic shock. Soft tissue injury. Crash syndrome.	To know the main symptoms of various types of trauma and prolonged compression syndrome. Educational films, diagrams, tables, presentations.	Zn-1, Um-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-12	Rules and methods of transport immobilization as a component of first aid for injuries. Features of care of the injured.	Know the main symptoms of different types of injuries. Training films, diagrams, tables, presentations, transport.	Zn-1, Um-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-13	Fractures and dislocations. Diagnosis. First aid.	To know the main symptoms of different types of fractures and dislocations. Educational films, diagrams, tables, presentations.	Zn-1, Um-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-14	Head and spine trauma. Assessment of the severity of head injuries. Spinal shock. Principles of first aid for head and spine trauma. Mistakes during the first aid.	To know the main symptoms of various types of head and spine injuries. Training films, diagrams, tables, presentations.	Zn-1, Um-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-15	Injury to the chest, abdomen and pelvis. Principles of first aid for trauma to the chest, abdomen and	To know the main symptoms of various types of chest, abdominal, and pelvic injuries. Training films, diagrams, tables, presentations.	Zn-2, K-1	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	pelvis. Mistakes during the first aid.			
P-16	Burns, frostbite, electrical injuries. Chemical and radiation burns. Specificities of diagnosis and first aid.	To know the main symptoms of burns, frostbite and electrical injuries. To be able to provide first aid for the above lesions. Educational films, diagrams, tables, presentations.	Zn-1, Um-2, K-1	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-17	Poisoning, types of poisoning. Bites of poisonous animals and insects. First aid for poisoning.	To know the types of poisons, manifestations of poisoning. To be able to provide first aid for poisoning, to know the antidotes, provide first aid for animal and insect bites. Educational films, schemes, tables, presentations.	Zn-2, Um-1, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-18	Types of impairment of consciousness. Shock, collapse, coma. First aid for coma of unclear etiology. Anaphylactic shock.	To know the main types of impairment of consciousness. To be able to provide first aid in case of impaired consciousness and anaphylactic shock. Educational films, diagrams, tables. presentation.	Zn-1, Um-1, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
P-19	Acute diseases of the organs of the cardiovascular and respiratory systems. Principles of diagnosis and first aid for heart attack, arrhythmias, hypertensive crisis,	Know the main symptoms of acute cardiovascular and respiratory failure. To be able to provide first aid for these conditions. Educational films, diagrams, tables,	Zn-1, AB - 5, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	bronchial asthma and pulmonary edema.			
P-20	Acute surgical diseases, united by the term "acute abdomen". The principles of diagnosis and first aid. Typical mistakes at the prehospital stage.	To know the main symptoms of acute surgery. To be able to provide first aid for these conditions Educational films, schemes, tables,	Zn-1, AB - 5, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
I-1	-			
ISW-1	Emergencies in obstetrics. Anatomical and physiological features of pregnant women. Pregnancy. Bleeding, preeclampsia, eclampsia, uterine rupture, placental abruption, umbilical cord prolapse, threatened abortion, ectopic pregnancy, trauma - recognition, first aid. Transportation of pregnant women. Childbirth. Neonatal resuscitation. Physiology of childbirth. Harbingers of	Carry out independent preparation for the topic	AB-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	<p>childbirth. Stages and mechanism of childbirth.</p> <p>Reception of normal spontaneous childbirth: material support.</p>			
ISW-2	<p>Emergency conditions in children.</p> <p>Anatomical and physiological characteristics of children. Airway obstruction, asthma, epiglottitis, bronchitis, febrile convulsions, hyperthermia - diagnosis and first aid. Specificities of the resuscitation of children.</p>	Carry out independent preparation for the topic	AB-2, K-3	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.
ISW-3	<p>Infectious diseases. Principles of first aid for infectious diseases (meningitis, botulism, cholera, diphtheria, AIDS): diagnostic signs, medical care for diarrhea, toxic shock, hyperthermia, convulsive</p>	Carry out independent preparation for the topic	AB-2, K-2	Paranyak M.R. Kushta Yu.F. Mahlovanyj V.A. Matviychuk O.B.

	<p>syndrome.</p> <p>Principles of hygiene, personal protection and safety.</p>			
ISW-4	<p>Acute mental disorders and crisis conditions.</p> <p>Psychosis, mood disorders, manic-depressive psychosis, anxiety.</p> <p>Types of emergency response. General principles and methods of behavior with patients with acute mental disorders. The principles of immobilization of patients and first aid.</p>	Carry out independent preparation for the topic	AB-2, K-2	<p>Paranyak M.R.</p> <p>Kushta Yu.F.</p> <p>Mahlovanyj V.A.</p> <p>Matviychuk O.B.</p>
ISW-5	<p>Ecogenic factors, catastrophes and natural disasters: definition, causes, epidemiology of emergency conditions.</p> <p>Physiology of thermoregulation.</p> <p>Hypothermia, hyperthermia, sunstroke, heatstroke,</p>	Carry out independent preparation for the topic	AB-2, K-2	<p>Paranyak M.R.</p> <p>Kushta Yu.F.</p> <p>Mahlovanyj V.A.</p> <p>Matviychuk O.B.</p>

drowning in fresh and salt water, general cooling, freezing, lightning, intoxication with bites of insects, snakes, spiders, marine invertebrates - clinical manifestations and first aid.			
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### 8. Verification of learning outcomes

#### Current control

*is carried out during the lesson and is aimed at checking the assimilation of educational material by students (it is necessary to describe the forms of current control during training sessions). Forms for assessing current educational activities should be standardized and include control of theoretical and practical training. The final mark for the current educational activity is set on a 4-point (national) scale*

Learning result code	Activity type code	Method for verifying learning outcomes	admission criteria
Zn-1, Um-1	P-1	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1	P-2	Oral questioning, application of programmed control tools, demonstration of practical skills by the students	At least 50% correct answers, correct demonstration of practical skills
Zn-2, AB-1, K-3	P-3	Oral questioning, application of programmed control tools, demonstration of practical skills by the students	At least 50% correct answers, correct demonstration of practical skills
Um-2, AB-1, K-3	P-4	Oral questioning, application of programmed control tools, demonstration of practical skills by the students	At least 50% correct answers, correct demonstration of practical skills
Zn-1, Um-3, K-3, AB-3	P-5	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-2, Um-2, AB-2	P-6	Oral questioning, application of programmed control tools, demonstration of practical skills by the students	At least 50% correct answers, correct demonstration of practical skills
Zn-1, AB-1, K-2, Um-1	P-7	Oral questioning, application of programmed control tools, demonstration of practical skills by the students	At least 50% correct answers, correct demonstration of practical skills
Zn-1, K-2, Um-3	P-8	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-2, Um-1, K-2	P-9	Oral questioning, application of programmed control tools,	At least 50% correct answers, correct

		demonstration of practical skills by the students	demonstration of practical skills
Zn-1, K-1, AB-3, Zn-2	P-10	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, Um-2, K-3	P-11	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, Um-2, K-3	P-12	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, Um-2, K-3	P-13	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, Um-2, K-3	P-14	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-2, K-1	P-15	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, Um-2, K-1	P-16	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-2, Um-1, K-3	P-17	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, Um-1, K-2	P-18	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, AB - 5, K-2	P-19	Oral questioning, the use of programmed control tools	At least 50% correct answers
Zn-1, AB - 5, K-2	P-20	Oral questioning, the use of programmed control tools	At least 50% correct answers
AB-2, K-3	ISW-1	The level of self-training, its quality and adequacy of coverage	The quality and completeness of the presented material
AB-2, K-3	ISW-2	The quality of the presentation or abstract on the selected topic	The quality and completeness of the presented material
AB-2, K-2	ISW-3	The level of self-training, its quality and adequacy of coverage	The quality and completeness of the presented material
AB-2, K-2	ISW-4	The level of self-training, its quality and adequacy of coverage	The quality and completeness of the presented material
AB-2, K-2	ISW-5	The level of self-training, its quality and adequacy of coverage	The quality and completeness of the presented material
<b>Final control</b>			
General evaluation system	Participation in the work during the semester / exam - 100% / 0% on a 200-point scale		
grading scales	traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale		
Conditions for admission to final control	The student attended all practical (laboratory, seminar) classes and received at least 120 points for current academic performance		
Type of final control	Final control methods		Admission criteria
Credit	All topics under current control must be evaluated and approved. Grades from a 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for assessing the results of students' educational activities"		<i>The maximum number of points is 200. The minimum number of points is 120</i>

<b>Evaluation criteria for the Exam / Differential credit</b>		
Exam	-	-
Differential credit		
<p>The maximum number of points that a student can score for current educational activities for admission to the exam (differential credit) is 120 points.</p> <p>The minimum number of points that a student must score for current educational activities for admission to the exam (differential credit) is 72 points.</p> <p>The calculation of the number of points is made on the basis of the student's grades on a 4-point (national) scale, by calculating the arithmetic mean (CA), rounded to two decimal places. The resulting value is converted into points on a multi-point scale as follows:</p> $x = \frac{CA \times 120}{5}$		
<b>Assessment criteria for an objective structured practical (clinical) exam / Complex of practice-oriented exam Master's work</b>		
<b>9. Policy of the course</b>		
<p>To ensure the academic integrity of the student it is necessary to master the ability to: act in professional and educational situations from the standpoint of academic integrity and professional ethics; independently perform educational tasks; correctly refer to sources of information in case of borrowing ideas, statements, information; be aware of the importance of the norms of academic integrity, evaluate examples of human behavior in accordance with these; evaluate examples of human behavior in accordance with the norms of academic integrity; to give a moral assessment of one's own actions, to correlate them with moral and professional norms.</p>		
<b>10. Literature</b>		
<p>Obligatory</p> <ol style="list-style-type: none"> <li>1. Екстрена медична допомога : підручник / [М. І. Швед, А. А. Гудима, С. М. Геряк та ін.] ; за ред. М. І. Шведа. – Тернопіль : ТДМУ, 2015. – 420 с.</li> <li>2. Перша долікарська допомога: підручник/під ред. В.П. Андрющенко. Ю.Ф. Кушта, Д.В. Андрющенко – Львів: ЛНМУ. - 2011. – 351 с.</li> <li>3. Екстрена медична допомога (гострі серцеві стани) / Г.Г. Роцін, О.М. Пархоменко, В.О. Крилюк та ін.: за ред. Г.Г. Роціна. – К.: ТОВ “НВП “Інтерсервіс”, 2011. - 159 с.</li> <li>4. Дужий І.Д. Перша допомога при невідкладних станах : навчальний посібник / І.Д. Дужий, О.В. Кравець ; Сумський державний університет. – Суми : Сумський державний університет, 2014. – 212 с. : іл., табл.</li> <li>5. Екстрена медична допомога: догоспітальний етап, алгоритми маніпуляції (базовий рівень). / Г.Г. Роцін, А.А. Гудима, В.Ю. Кузьмін та ін. - К., 2012. - 84 с.</li> <li>6. Медицина невідкладних станів: швидка і невідкладна медична допомога / І.С. Зозуля, А.В. Вершигора, В.І. Боброва та ін.; за ред. І. С. Зозулі. - К.: ВСВ “Медицина”, 2012. - 728 с.</li> <li>7. Тарасюк В.С., Матвійчук М.В. Паламар М.В., Поляруш В.В., Корольова Н.Д., Подолян В.М. Малик С.Л., Кривецька Н.В. Перша медична (екстрена) допомога з елементами тактичної медицини на до госпітального етапі в умовах надзвичайних ситуацій. – К.: Медицина, 2015.</li> <li>8. Алгоритми надання невідкладної допомоги при критичних станах / За ред. І. І. Тітова. – Вінниця: Нова Книга, 2012. – 344 с.</li> </ol>		



#### Additional

1. Donald C. Correll, MD Facep. Hypothermia practice Guid // The physician assistant practice Guide. For Emergency Departments urgent care centers, and family practices. A cuta care Horizons. Jackson, TN.2012.
2. Marx, John, Ron Walls, and Robert Hockberger. Rosen's emergency medicine-concepts and clinical practice. Elsevier Health Sciences, 2013.
3. Skone, Richard, et al., eds. Managing the Critically Ill Child: A Guide for Anaesthetists and Emergency Physicians. Cambridge University Press, 2013.
4. Schneider, Andreas, Erik Popp, and Bernd W. Böttiger. "Cardiopulmonary Resuscitation." Surgical Intensive Care Medicine. Springer International Publishing, 2016. 153-166.

#### **11. Equipment, and provision of discipline / course**

#### **12. Additional information**

The teaching process at the lectures is provided by methodological developments, visual teaching aids (presentations, educational films), an information resource of the departments.

The teaching process in practical classes is provided by methodological developments, topics of independent and individual assignments, visual teaching aids (presentations, educational films, mannequins and other tools for practicing practical resuscitation skills), an information resource of departments, algorithms for the implementation of practical skills and structured methods of skill control.

Independent and individual work is provided by methodological developments for the independent work of students.

Person responsible for the silabus

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