



## Syllabus of the course

<b>1. General information</b>	
<b>Name of the faculty</b>	Medical
<b>Educational program branch</b>	22 Health care,
specialty	222 "Medicine"
level of higher education, form of education	second (master's) level of higher education, full-time
Academic year	2023/2024
<b>The name of the course</b>	<b>Medicine of emergency situations,</b> <a href="mailto:mns_Lnmu@ukr.net">mns_Lnmu@ukr.net</a> <a href="mailto:kaf_armymed@meduniv.lviv.ua">kaf_armymed@meduniv.lviv.ua</a>
<b>code</b>	<b>OK 43.1.1</b>
Department	Catastrophes medicine and military medicine, Mechnikova Str.,8a, hostel №7, (032) 260-08-28; <a href="mailto:kaf_armymed@meduniv.lviv.ua">kaf_armymed@meduniv.lviv.ua</a>
Head of the department	Chaplyk V.V., <a href="mailto:mns_Lnmu@ukr.net">mns_Lnmu@ukr.net</a>
Year of study	<b>4</b>
Semester	<b>7-8</b>
Type of discipline	<i>obligatory</i>
Teachers	<b>Humeniuk V.V., assoc.prof., MD (Traumatology), PhD (Pedagogic)</b>
Erasmus yes/no	Hi
The person responsible for the syllabus	<b>Humeniuk Vasyl, <a href="mailto:basilleo03@gmail.com">basilleo03@gmail.com</a></b>
Number of ECTS credits	<b>3</b>
Number of hours	<b>10 – lectures</b> <b>20 – practical classes</b> <b>60 – individual self-study</b>
Language of education	<b>English</b>
Information about consultations	<b>Wednesday, Friday</b>
Address, telephone number and work schedule of the clinical base, office	Lviv, Pekarska Street, 52 (chemical building) Mechnikova street, 8a, hostel №7, Mykolajchuk street, 9, CHEM
<b>2. A brief summary of the course</b>	
<p><b>The subject</b> study of the course "Medicine of emergency situations" are ways to protect people in emergencies of technogenic, natural or socio-political origin, which can harm human health and life, disrupt the normal living conditions and activities of people in a particular area or facility; urgent actions and organizational measures aimed at saving and preserving a person's life in an emergency and minimizing the impact of such a state on his health, carried out at the scene by persons who must have basic practical responsibilities. skills to save and save the life of a person who is in an emergency, and in accordance with the law are obliged to carry out such actions and measures</p>	
<b>3. The purpose and objectives of the course</b>	
<p><b>1.1. The purpose of teaching the Program is the ultimate goals</b> are established on the basis of the Standard of preparation of the doctor on a specialty accordingly and are a basis for construction of the maintenance of educational disciplines.</p>	

The description of goals is formulated through skills in the form of target tasks (actions). Based on the ultimate goals of the section, specific goals are formulated in the form of certain skills (actions), target tasks that ensure the achievement of the ultimate goal of studying the discipline, namely:

***The ultimate goals of the study of the Program:***

be able to provide first aid to victims in peacetime emergencies and in combat.

***1.2. The main tasks of studying the Program:***

to determine the basic principles of assessing the condition of victims in emergencies of man-made and natural nature and in combat conditions;

to master the skills of providing first aid to victims and wounded in major emergencies.

***1.3. Competences and learning outcomes,*** the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formulated in terms of learning outcomes in the Standard).

According to the requirements of the standard, the discipline provides acquisition by students of ***competencies:***

- *integral:* Ability to solve typical and complex specialized problems and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements. The ability of the individual to organize an integrated humanitarian educational space, the formation of a single image of culture or a holistic picture of the world.

- *common:* Ability to apply knowledge in practical situations. Ability to exercise self-regulation, lead a healthy lifestyle, ability to adapt and act in a new situation. Ability to choose a communication strategy; ability to work in a team; interpersonal skills. Ability to abstract thinking, analysis and synthesis, the ability to learn and be modernly trained. Definiteness and perseverance in terms of tasks and responsibilities.

1. Ability to abstract thinking, analysis and synthesis.
2. Ability to learn and master modern knowledge.
3. Ability to apply knowledge in practical situations.
4. Knowledge and understanding of the subject area and understanding of professional activity.
5. Ability to adapt and act in a new situation.
6. Ability to make substantiated decisions
7. Ability to work in a team.
8. Skills of interpersonal interaction.
9. Ability to communicate in the national language both orally and in writing;
12. Determination and persistence in relation to assigned tasks and assumed responsibilities.
13. The ability to act socially responsibly and consciously.
14. The desire to preserve the environment.
15. The ability to act on the basis of ethical considerations (motives).

- *special (professional, subject):* Ability to carry out medical and evacuation measures. Ability to determine the tactics of emergency medical care. Emergency care skills. Skills to perform medical manipulations.

1. Skills of interviewing and clinical examination of the patient.
2. Ability to determine the necessary list of laboratory and instrumental studies and evaluate their results.
3. Ability to establish a preliminary and clinical diagnosis of the disease.
6. Ability to determine the principles and nature of treatment of diseases.
7. Ability to diagnose emergency conditions
8. The ability to determine the tactics of providing emergency medical care.
9. Skills in providing emergency medical care
10. Ability to carry out medical evacuation measures
11. Skills of performing medical manipulations
13. Ability to carry out sanitary and hygienic and preventive measures.
14. Ability to plan and carry out preventive and anti-epidemic measures for infectious diseases.
17. Ability to maintain medical records.

20. The ability to analyze the activity of a doctor, unit, health care institution, take measures to ensure the quality of medical care and increase the efficiency of the use of medical resources.

21. The ability to perform activities related to the organization and integration of the provision of medical care to the population and the marketing of medical services.

#### 4. Course details

**Description of the course. MEDICINE OF EMERGENCY SITUATIONS** as an educational discipline:

a) is based on the study of human anatomy and physiology, general surgery and patient care and integrates with these disciplines;

b) lays the foundations for students to study such disciplines as military toxicology and radiology, military surgery, therapy, epidemiology and hygiene, organization and management of health care, which involves the integration of teaching with these disciplines and the formation of skills to apply emergency medicine in the future training and professional activities;

c) lays the foundations of theoretical knowledge and practical skills in the organization and conduct of medical and evacuation, sanitary and anti-epidemic measures in emergencies, first aid.

##### **Interdisciplinary connections:**

study of the subject "Medicine of emergency situations" for specialties 222 "Medicine", educational qualification "Master of Medicine", professional qualification "Doctor", is carried out on the 4th year of study and is based:

a) on the study of students of academic disciplines blocks of humanities, socio-economic and natural sciences and subjects of professional training and integrates with these disciplines;

b) lays the foundations of theoretical knowledge and practical skills in the organization and conduct of medical evacuation, sanitary and anti-epidemic measures, including the organization of home care and primary care in emergencies of natural and man-made nature and combat conditions.

The discipline is structured in one section "Medicine of emergency situations", which consists of two sections:

**1. Civil protection as a system of prevention and elimination of the consequences of emergencies.**

**2. Organization of medical care for the population in emergency situations**

##### **Learning outcomes:**

*Integrative final program learning outcomes, the formation of which is facilitated by the study of the Program:*

Learning outcomes for the discipline "Medicine of emergency situations":

1. To assess the condition of victims in emergencies of technogenic and natural nature and in combat conditions;

2. Master the principles and methods of protection, organization and planning of medical care in peacetime and wartime emergencies

3. Be able to provide first aid to victims and wounded in major emergencies in peacetime and wartime.

The main types of training in emergency medicine, according to the curriculum, are lectures, practical classes and independent work of students on the subject of the discipline.

The purpose of the **lectures** is to systematize the basics of scientific knowledge in the discipline, to reveal the state and prospects of the development of medical and pharmaceutical science, to focus attention on the most difficult and urgent issues.

Lectures are given by the management staff of the department, professors, associate professors in classrooms with a capacity of up to 100 people. As an exception, the most experienced scientific and pedagogical workers, preferably those with a scientific degree or an academic title, may be allowed to give lectures.

**Practical classes (PC)** is a type of training sessions in which the teacher conducts with students a detailed consideration of certain theoretical provisions of the discipline and forms the skills and abilities of their practical application by individual performance of the student accordingly formulated tasks.

Practical classes are held in the study group of no more than 10-12 people in order to practice skills in assessing the radiation and chemical conditions in emergencies, providing first aid and the use of personal and medical protection.

**Independent work of student (IWS)** is the main way to master the study material in the time free from compulsory training. Independent work of students is provided by a set of teaching aids provided for the study of a particular discipline: textbooks, manuals, materials for independent work of students and more. Methodical developments for independent work of students provide an opportunity of carrying out self-control on the part of students. In addition, appropriate scientific and professional literature is recommended for independent work.

One of the most important ways to optimize and improve the quality of practical training of students is to perform individual research tasks (IWS).

The main purpose of the IWS:

deeper understanding and assimilation of theoretical and practical knowledge, skills and abilities in the discipline (mainly in terms of interdepartmental integration of their final level in the relevant specialty);

psychological and practical training of students for continuous professional development, mastering the basic techniques of scientific and bibliographic analysis, generalization and design of various materials for reports, references, articles, etc.

Individual teaching and research task is performed independently or as part of working groups (2-3 students) in consultation with the teacher during the study of the discipline.

The main forms of IWSs:

bibliographic search and study of literature on a particular topic, its generalization, compilation of a review of the current state of the problem (writing an abstract), presentation with a report at a meeting of the circle of the department, student scientific conferences, etc .;

participation in the creation of training and demonstration manuals (stands, albums, tables) and other technical teaching aids;

mastering the latest research methods, devices, performing educational and practical student work.

## 5. Program learning outcomes

### List of learning outcomes

Learning outcome code	The content of the learning outcome	Link to the code competency matrix
Kn – 1	Ability to apply knowledge in practical situations.	<i>PR – 1</i>
Kn – 2	<b>Knowledge</b> Have specialized conceptual knowledge acquired in the learning proces.	<i>PR – 3</i>
Ab – 1	<b>Skill</b> Be able to solve complex problems and problems that arise in professional activities.	<i>PR – 6</i>
K – 1	<b>Communication</b> Clear and unambiguous communication of own conclusions, knowledge and explanations that substantiate them to specialists and non-specialists.	<i>PR – 7</i>
K – 2	<b>Autonomy and responsibility</b> Responsible for making decisions in difficult conditions	<i>PR – 8</i>
AR – 1		<i>PR – 9</i>
AR – 2		<i>PR – 11</i>
		<i>PR – 13</i>
		<i>PR – 21</i>
		<i>PR – 22</i>
		<i>PR – 23</i>
		<i>PR – 24</i>
		<i>PR – 25</i>
Kn – 1	Ability to exercise self-regulation, lead a healthy lifestyle, ability to adapt and act in a new situation.	<i>PR – 1</i>
Kn – 2	<b>Knowledge</b> Know ways to self-regulate, lead a healthy life.	<i>PR – 3</i>
Ab – 1	<b>Skill</b> Be able to apply the means of self-regulation, be able to lead a healthy lifestyle and adapt to new situations (circumstances) of life and activity.	<i>PR – 6</i>
K – 1	<b>Communication</b> Establish appropriate connections to achieve results.	<i>PR – 7</i>
K – 2	<b>Autonomy and responsibility</b> Be responsible for a healthy lifestyle and timely use of self-regulation methods.	<i>PR – 8</i>
AR – 1		<i>PR – 9</i>
AR – 2		<i>PR – 11</i>
		<i>PR – 13</i>
		<i>PR – 21</i>
		<i>PR – 22</i>
		<i>PR – 23</i>
		<i>PR – 24</i>
		<i>PR – 25</i>

Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Ability to choose a communication strategy; ability to work in a team; interpersonal skills. <b>Knowledge</b> Know the tactics and strategies of communication, laws and ways of communicative behavior. <b>Skill</b> Be able to choose ways and strategies of communication to ensure effective teamwork. <b>Communication</b> Use communication strategies and interpersonal skills. <b>Autonomy and responsibility</b> Be responsible for the choice and tactics of communication.	PR – 1 PR – 3 PR – 6 PR – 7 PR – 8 PR – 9 PR – 11 PR – 13 PR – 21 PR – 22 PR – 23 PR – 24 PR – 25
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Ability to abstract thinking, analysis and synthesis, the ability to learn and be modernly trained; <b>Knowledge</b> Know the methods of analysis, synthesis and further modern learning. <b>Skill</b> Be able to analyze information, make informed decisions, be able to acquire modern knowledge. <b>Communication</b> Establish appropriate connections to achieve goals <b>Autonomy and responsibility</b> Be responsible for the timely acquisition of modern knowledge	PR – 1 PR – 3 PR – 6 PR – 7 PR – 8 PR – 9 PR – 11 PR – 13 PR – 21 PR – 22 PR – 23 PR – 24 PR – 25
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Definiteness and perseverance in terms of tasks and responsibilities; <b>Knowledge</b> Know the responsibilities and ways to accomplish the tasks <b>Skill</b> Be able to set goals and objectives to be persistent and conscientious in the performance of duties; <b>Communication</b> Establish interpersonal relationships to effectively perform tasks and responsibilities <b>Autonomy and responsibility</b> Responsible for the quality of the tasks	PR – 1 PR – 3 PR – 6 PR – 7 PR – 8 PR – 9 PR – 11 PR – 13 PR – 21 PR – 22 PR – 23 PR – 24 PR – 25
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Ability to carry out medical and evacuation measures <b>Knowledge</b> Know the stages of medical evacuation in an emergency, including in the field. Know the system of medical and evacuation support. Know the principles of organization and conduct of medical and evacuation measures among the population and servicemen. Know the system of warning the population in emergency situations. Know the guidelines for the actions of the doctor during the deployment of the stages of medical evacuation <b>Skill</b> Be able to organize and perform medical activities during the deployment of stages of medical evacuation in an emergency, including in the field <b>Communication</b> Establish communication with relevant officials to ensure the conditions for the implementation of the stages of medical evacuation	PR – 1 PR – 3 PR – 6 PR – 7 PR – 8 PR – 9 PR – 11 PR – 13 PR – 21 PR – 22 PR – 23 PR – 24 PR – 25

	<b>Autonomy and responsibility</b> Be responsible for the timely and quality performance of medical duties during the deployment of stages of medical evacuation in an emergency and martial law	
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Ability to determine the tactics of emergency medical care. <b>Knowledge</b> Know the legal framework for the provision of emergency medical care, in particular the law of Ukraine "On emergency medical care". Have specialized knowledge about urgent human conditions; principles of emergency medical care <b>Skill</b> Be able to identify emergencies (according to list 3); principles and tactics of emergency medical care; to carry out organizational and diagnostic measures aimed at saving and saving human life. <b>Communication</b> Reasonably formulate and communicate to the patient or his / her legal representative the need for emergency care and obtain consent for medical intervention <b>Autonomy and responsibility</b> Be responsible for the correct determination of the emergency condition, its severity and tactics of emergency medical care	<i>PR – 1</i> <i>PR – 3</i> <i>PR – 6</i> <i>PR – 7</i> <i>PR – 8</i> <i>PR – 9</i> <i>PR – 11</i> <i>PR – 13</i> <i>PR – 21</i> <i>PR – 22</i> <i>PR – 23</i> <i>PR – 24</i> <i>PR – 25</i>
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Emergency care skills. <b>Knowledge</b> Have specialized knowledge about the structure of the human body, its organs and systems; algorithms for providing emergency medical care in emergencies (according to list 3). <b>Skill</b> Be able to provide emergency medical care in an emergency (according to list 3). <b>Communication</b> Explain the need for proper treatment of emergency medical care <b>Autonomy and responsibility</b> Be responsible for the timeliness and quality of emergency medical care.	<i>PR – 1</i> <i>PR – 3</i> <i>PR – 6</i> <i>PR – 7</i> <i>PR – 8</i> <i>PR – 9</i> <i>PR – 11</i> <i>PR – 13</i> <i>PR – 21</i> <i>PR – 22</i> <i>PR – 23</i> <i>PR – 24</i> <i>PR – 25</i>
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Skills to perform medical manipulations. <b>Knowledge</b> Have specialized knowledge about man, his organs and systems; knowledge of algorithms for performing medical manipulations (according to list 5) <b>Skill</b> Be able to perform medical manipulations (according to list 5) <b>Communication</b> It is reasonable to form and convey to the patient, specialists conclusions about the need for medical manipulations (according to list 5) <b>Autonomy and responsibility</b> Be responsible for the quality of medical manipulations (according to list 5)	<i>PR – 1</i> <i>PR – 3</i> <i>PR – 6</i> <i>PR – 7</i> <i>PR – 8</i> <i>PR – 9</i> <i>PR – 11</i> <i>PR – 13</i> <i>PR – 21</i> <i>PR – 22</i> <i>PR – 23</i> <i>PR – 24</i> <i>PR – 25</i>
<p><b>Kn 1</b> Specialized conceptual knowledge acquired in the process of learning and / or professional activity at the level of the latest achievements, which are the basis for original thinking and innovation, in particular in the context of research work</p> <p><b>Kn 2</b> Critical understanding of problems in studying and / or professional activities and at the border of subject areas</p> <p><b>Ab 1</b> Solving complex problems and issues that require updating and integrating knowledge, often in conditions of incomplete / insufficient information and conflicting requirements</p> <p><b>Ab 2</b> Performing research and / or innovation activities</p> <p><b>K 1</b> Clear and unambiguous communication of one's own conclusions, as well as the knowledge and explanations that substantiate them, to specialists and non-specialists, in particular to students</p>		

**K 2** Use of foreign languages in professional activities  
**AR 1** Decision-making in complex and unpredictable conditions, which requires the application of new approaches and forecasting  
**AR 2** Responsibility for the development of professional knowledge and practices, assessment of strategic team development

### 6. Course format and scope

Course format	Full time	
Type of classes	Number of hours	Number of groups
lectures	10	-
practical	20	?
seminars	-	-
independent	60	?

### 7. Topics and content of the course

Code of classes type	Topic	Learning content	Learning outcome code	Teacher
L-1 Pr-1; IWS-1	Theme 1. Organization of protection of the population and territories in case of emergencies of peaceful and military time.	Basic provisions of international humanitarian law. The only state system of civil protection of the population and territories from emergencies of man-caused and natural nature. Purpose, tasks and principles of civil protection of the population and territories. Tasks and modes of activity of the civil protection system. Basic measures to protect the population and territories	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-1 Pr -2; IWS -2	Theme 2. Emergencies of natural, technological and socio-political nature, their medical and sanitary consequences	Classification of emergencies. Medical and sanitary consequences of natural disasters and man-made disasters. Socio-political emergencies and their consequences	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-2 Pr -3; IWS -3	Theme 3. Failures on radiation-dangerous objects, their medical and sanitary consequences	Causes and health consequences of accidents at radiation-hazardous facilities. Impressive factors of accidents at radiation-hazardous objects. Radiation damage. Radiation sickness, symptoms. Radioprotectors. Assessment of the radiation situation in the emergency center. Radiation reconnaissance devices	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-2 Pr -4; IWS -4	Theme 4. Failures on chemically-dangerous objects, their medical and sanitary consequences	Classification of chemically hazardous objects. Causes and health consequences of accidents at chemically hazardous facilities. Classification and characterization of potent toxic substances. Domestic care in case of defeat by strong poisonous substances. Assessment of the chemical situation in the emergency center. Chemical reconnaissance devices. Means of collective, individual and medical protection	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-3 Pr -5;	Theme 5. First	Causes and signs of external bleeding. Technique to stop external bleeding.	Kn – 1	Humeniuk V.V. Kozopas V.S.

IWS -5	medical aid for victims in the conditions of emergency situations	Causes and signs of internal bleeding. Help with internal bleeding. The concept of collapse and shock. Causes and signs of soft tissue wounds, penetrating and non-penetrating wounds of the skull, chest, abdomen. The technique of applying bandages for injuries of the skull, eye, ear, lower jaw. Chest injury. Causes and signs of head, spine and pelvic injuries. Transport immobilization by regular and adapted means	Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	
L-4 Pr -6; IWS -6	Theme 5. First medical aid for victims in the conditions of emergency situations	Burns, classification, signs, home care in combat and non-combat conditions. Frostbite, classification, symptoms, home care in combat and non-combat conditions. Trench foot, freezing, home care in combat and non-combat conditions. Hyperthermia, home care in combat and non-combat conditions. Electric shock, home care. Features of defeat by fighting fire mixes, first medical care. Actions of acids and alkalis, home care. Features of care for eye burns of various origins	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-4 Pr -7; IWS -7	Theme 5. First medical aid for victims in the conditions of emergency situations	Causes, diagnosis and home care for fainting, coma of unknown etiology, convulsions, heart pain (angina, heart attack), stroke, acute abdominal pain, poisoning by an unknown substance, unknown gas, insect bites, dogs, poisonous snakes. Assistance on the water: recognizing the drowning person, approaching him, transporting to the shore. Help with electric shock. lightning. Cardiopulmonary resuscitation	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-5 Pr -8; IWS -8	Theme 6. The Legal bases of the State Service of Catastrophe Medicine (SSCM). Theme 7. Information management, work planning of work and medical supply of units and establishments of SSCM	Normative-legal acts that determine the organization and activity of DSMK. Organization of DSMK. DSMK forces and institutions. Interaction of DSMK with other emergency rescue services. Features of the organization of medical care of the population in the conditions of emergency situations in the countries of the world Organization of submission of information on emergencies in the functional subsystem of the Ministry of Health of Ukraine within the Government information and analytical system on emergencies. Planning of measures of medical provision of the population in emergency situations. The structure of the plan and the content of its sections. Organization of medical supply of DSMK formations and institutions	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.
L-5 Pr -9; IWS -9	Theme 8. Organization of medical and	The purpose and objectives of medical and evacuation support in emergencies of natural and man-made nature. Types and amounts of medical	Kn – 1 Kn – 2 Ab – 1	Humeniuk V.V. Kozopas V.S.



	evacuation support for the population at conditions of emergency situations.	care. Medical tryage (sorting). First aid, its content and scope. Stages of medical evacuation of DSMK, their organization and tasks. Features of the organization of medical and evacuation support at various types of emergencies. Features of the organization of medical care for children in emergency situations	K – 1 K – 2 AR – 1 AR – 2	
Pr -10; IWS - 10	Theme 9. Organization of sanitary and hygienic and anti-epidemic support of the population at conditions of emergency situations.	The purpose and objectives of sanitary and anti-epidemic support in emergencies of natural and man-made nature. The concept of quarantine and observation. Organization of sanitary and hygienic and anti-epidemic support in natural and man-made emergencies. Organization of the work of the infectious hospital in the centers of especially dangerous infections	Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Humeniuk V.V. Kozopas V.S.

## 8. Verification of learning outcomes

### ***8. Current control***

Current control is carried out in the course of studying a specific topic to determine the level of formation of a particular skill or ability, the quality of assimilating a part of the educational material by monitoring the educational and cognitive activity of students in classes, oral questioning, writing control of knowledge and skills through tests (oral questioning, writing); using a set of standardized tasks for establishing input and output levels of knowledge, structured control of practical skills; control over practical work; oral questioning; oral interview.

**Assessment of current training activities.** When assessing the mastering of each topic in the current educational activity, the student is awarded a 4-point (traditional) scale, taking into account the approved evaluation criteria for the discipline. It takes into account all types of works provided by the program. 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.

There are following criteria for evaluation at the department according to the traditional 4-point scale:

“Excellent”, 5. For the profound and complete mastering of the content of the educational material, in which the student is easily navigates, has a conceptual apparatus; for the ability to link theory with practice, solve practical problems, express and justify their judgments. An excellent assessment involves a competent, logical statement of the answer (both in oral and written forms); the number of positive written test results is not less than 90%.

“Good”, 4. For complete learning of the material, possession of the conceptual apparatus, orientation in the studied material, conscious use of knowledge for solving practical problems, a competent statement of the answer, but in the content and form of the response there were some inaccuracies (errors) – the number of positive results of written testing 70-89%.

“Satisfactory”, 3. For the knowledge and understanding of the basic provisions of the educational material, but the statements are not complete, inconsistent. The student allows inaccuracies in the definition of concepts and when using knowledge to solve practical problems, he is not able to substantiate his judgments; - the number of positive results of written testing 50-69%.

“Unsatisfactory”, 2. The student has disparate, unsystematic knowledge, does not know how to distinguish the main and the secondary, make mistakes in the definition of concepts, misleads their content, presents materials chaotically and uncertainly, can not use knowledge in solving practical problems. For complete ignorance and misunderstanding of the teaching material or refusal to answer. The number of positive written test responses is below 50%.

Marks of the traditional scale of evaluation are converted into points.

Learning outcome code	Code of classes type	Method of verifying learning outcomes	Crediting criteria
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-1 Pr-1; IWS-1	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-1 Pr -2; IWS -2	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-2 Pr -3; IWS -3	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-2 Pr -4; IWS -4	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-3 Pr -5; IWS -5	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-4 Pr -6; IWS -6	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1	L-4 Pr -7; IWS -7	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the

AR – 2		3. Evaluation of the student's independent work	journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-5 Pr -8; IWS -8	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	L-5 Pr -9; IWS -9	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.
Kn – 1 Kn – 2 Ab – 1 K – 1 K – 2 AR – 1 AR – 2	Pr -10; IWS - 10	1. Assessment of students' knowledge level 2. Evaluation of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of current student performance is carried out at each practical lesson on a 4-point scale using approved assessment criteria for the discipline and is recorded in the journal of academic performance.

### Final control

General assessment system	Participation in the work during the semester - 100% on a 200-point scale	
Rating scales	traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale	
Conditions of admission to the final control	The student attended all practical classes and received at least 120 points for current performance	
Type of final control	Methodics of final control	Crediting criteria
Credit	All topics submitted for current control must be included. Grades from the 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for evaluating the results of students' learning activities"	<i>The maximum number of points is 200. The minimum number of points is 120</i>

**Calculation of the number of points** is carried out on the basis of the grades received by the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic middle average (MA), rounded to two decimal places. The value obtained is converted into points on a multi-point scale as follows:

$$x = \frac{CA \times 120}{5}$$

#### Recalculation of the average for the current activity in the multi-point scale for disciplines that are completed by the credit

4-points scale	200-points scale	4-points scale	200-points scale	4-points scale	200-points scale	4-points scale	200-points scale
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	Less	uncredite
4.6	184	4.04	162	3.5	140	3	d
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		

### 9. Course policy

Points scored on current testing, independent work are taken into account. At the same time, it is necessary to consider the attendance at classes and the activity of the student during the practical lesson; inadmissibility of absences and delays for classes; use of a mobile phone, tablet or other mobile device during classes for non-learning purposes; copying and plagiarism; untimely performance of the task, etc.

### 10. Literature sources

#### Main

1. Medicine of emergency situations : textbook for stud. of higher med. institutions / Chaplyk V.V., Oliynyk P.V., Omelchuk S.T., Humenyuk V.V. 2<sup>nd</sup> ed. Vinnytsia: Nova knyha, 2020. 376 p.

2. Methodical recommendations posted in the MISA system of distance learning of Danylo Halytsky LNMU

#### Additional

1. The Constitution of Ukraine, 1996 (Articles 3, 16, 49, 50, 106, 138).

2. Law of Ukraine "Fundamentals of the Legislation of Ukraine on Health Care", 1992 (Article 37).

3. Law of Ukraine "On the legal regime of the state of emergency", 2000 (1, 4-9,13, 16, 27-29).

4. Law of Ukraine "On Civil Defense of Ukraine", 1999 (Articles 1, 3-6, 8-13).

5. Law of Ukraine "On Emergency and Rescue Services", 1999 (Articles 1,3,4,6,24,29-31,33,36,37).

6. Law of Ukraine "On protection of the population and territories from emergencies of man-made and natural nature", 2000 (Articles 3-8,11,13-15,21-23,25-28,30,32-36)

7. Law of Ukraine "On the zone of ecological emergency", 2000 (Articles 1-7,10-15).

8. Law of Ukraine "On the State Material Reserve", 1997 (Articles 1-3,6,12).

9. Law of Ukraine "On Legal Principles of Civil Protection", 2004 (Articles 2-7,9-16,18-26,27-28,34-36,88-89,91-93,96)

10. Law of Ukraine "On Radioactive Waste Management", 1995 (Articles 1,3,7-9,11,17-19,28).

11. Resolution of the Cabinet of Ministers of Ukraine of July 14, 1997. № 343 "On the Establishment of the State Disaster Medicine Service".

12. Resolution of the Cabinet of Ministers of Ukraine of February 16, 1997 №174 "On the State Commission on Technogenic and Ecological Safety and Emergencies."

13. Resolution of the Cabinet of Ministers of Ukraine of July 11, 2001. № 827 "On approval of the Regulations on the State Disaster Medicine Service".

14. Resolution of the Cabinet of Ministers of Ukraine of March 29, 2001 № 308 “On the procedure for creating and using material reserves for the prevention, elimination of emergencies of man-made and natural nature and their consequences”.
15. Resolution of the Cabinet of Ministers of Ukraine of February 15, 1999 №192 "On approval of the Regulations on the organization of notification and communication in emergencies."
16. Resolution of the Cabinet of Ministers of Ukraine of 16.12.1999 № 2303 “On the establishment of the Government information and analytical system on emergency situations”.
17. Resolution of the Cabinet of Ministers of Ukraine of March 24, 2004 № 368 “On approval of the procedure for classification of emergencies of man-caused and natural nature according to their levels”
18. Order of the Ministry of Health of Ukraine of August 3, 2000 № 189 “On approval of the regulations for the submission of information in the functional subsystem of the Ministry of Health of Ukraine within the Government information and analytical system on emergencies”
19. Order of the Ministry of Health of Ukraine of May 3, 2001 №165 "On the creation of reserves of medicines and medical devices for the prevention, elimination of emergencies of man-made and natural nature"
20. Order of the Ministry of Health of Ukraine of October 26, 2001 №429 “On Approval of the Model Statute of the Territorial Center for Emergency Medical Care”
21. Order of the Ministry of Health of Ukraine dated 22.03.2004 №148 “On measures to implement the provisions of the Bologna Declaration in the system of higher medical and pharmaceutical education”.
22. Legal basis of the State Disaster Medicine Service / edited by Professor VO Voloshin. - Uzhgorod, MPP "Citizen" - 2003-242 p.
23. Fundamentals of the organization of medical care for the population in emergency situations / Ed. V.V. Durdynets and VO Волошина - Київ: Медекол, 1999- 203 с ..
24. Medical forces and institutions of the State Disaster Medicine Service. Methodical recommendations / Ed. V.O. Voloshin - Kyiv, 1998 - 39p.
25. Planning of medical provision of the population of the administrative territory in emergency situations. Methodical recommendations / Ed. V.O. Voloshin - Kyiv, 2000 - 102 p.
26. Fundamentals of disaster medicine / edited by Bondarenko NI, Kovaleva EZ - Donetsk: "Cassiopeia", 1998, - 366 p.
27. International Humanitarian Law / Ed. Basic VP - K., “Warta” - 2000 - 176 p.
28. Medical supply of formations and institutions of the State Disaster Medicine Service of Ukraine. Methodical recommendations / Ed. Kartisha AP - K .: 1999, - 158 с.
29. Gridasov VI, Kovalev VM, Katris MV etc. Disaster Medicine / Textbook - Kharkiv .: "Golden Pages". - 2002. –280 p.
30. Dubitsky A.Yu., Semenov IO, Chepky LP Disaster Medicine. Tutorial. Kyiv: Kurs, 1999.- 379 p.
31. Vorobyov OO, Kardash VE Disaster Medicine / Textbook. - Chernivtsi. - 2000. - 152 p.
32. Organization of the information-analytical system of the Ministry of Health of Ukraine on emergencies (Practical Guide) / Ministry of Health of Ukraine, Ukrainian NPC of emergency medical care and disaster medicine / Ed. Prof. Voloshin VO - 2000, - 96 p.
33. Epidemiology of emergencies (with military epidemiology) / Under. ed. Gotsa Yu.D. - K .: - 2001. - C. 21-44.
34. Disaster Medicine. Textbook / Ed. prof. Kochina.- K: "Health" - 2001- 290 p.

### **11. Equipment, logistics and software of the discipline / course**

1. Multimedia projector, laptop for demonstration of additional information
2. A full-size adult mannequin for resuscitation
3. Children's full-size mannequin for testing resuscitation measures
4. Adult mannequin (torso) for testing and visualization of resuscitation measures
5. Pulse oximeter to determine the pulse and oxygen saturation of the blood
6. Neck collars, Splint- fixator, Cramer and Dieterich’s fixator for practicing of immobilization equipment

- |   |
|---|
| <ol style="list-style-type: none"><li>7. Stretchers, straps for evacuation of victims</li><li>8. Gas masks for visualization of respiratory protection</li><li>9. Oxygen cylinders</li><li>10. Devices of radiation and chemical reconnaissance</li></ol> |
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<b>12. Additional Information</b>
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<a href="https://new.meduniv.lviv.ua/kafedry/kafedra-medycyny-katastrof-ta-vijskovoyi-medycyny/">https://new.meduniv.lviv.ua/kafedry/kafedra-medycyny-katastrof-ta-vijskovoyi-medycyny/</a>
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