

SYLLABUS OF THE EDUCATIONAL COMPONENT**MEDICAL ASSISTANCE TO THE INJURED AT THE PRE-HOSPITAL STAGE**

Specialty: 221 "Dentistry"__

Educational and professional program: Dentistry.

Component code in the educational program: EC56

Level of higher education: second (master's)

Form of education: full-time

Year of study: 4

Semester(s): I (autumn) or II (spring)

Type of educational component: elective

Academic year: 2027-2028

Volume: 3 ECTS credits (90 hours)

Classrooms: practical classes, consultations

Summary control: credit

Prerequisites: human anatomy, normal physiology, pharmacology, life safety

Department/division: Department of Disaster Medicine and Military Medicine, 12 Trinkler Street, academic building, 2-4 floors

Head of educational component: Assoc. Prof. Dolzhenko Maryna Oleksandrivna,

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Educational component page in the KhNMU Distance Learning System (Moodle):
<https://distance.knmu.edu.ua/course/view.php?id=6556>

EDUCATIONAL COMPONENT DESCRIPTION

gives students general knowledge about emergency actions and medical and evacuation measures aimed at saving and preserving a person's life in an emergency, in case of injury, trauma and damage and minimizing the consequences of the impact of such a condition on their health, which are carried out at the scene by persons who have a higher medical education and, by virtue of their official duties, must possess basic practical skills in saving and preserving the life of a person in an emergency, and in accordance with the law, are obliged to carry out such actions and measures, namely, to provide medical assistance to the injured and wounded in life-threatening conditions.

COURSE OBJECTIVE: to develop in students the ability to diagnose emergency conditions and provide emergency medical care and evacuation, theoretical and practical training of students to organize medical support in emergency situations and improve skills and competencies acquired during the study of previous disciplines.

LEARNING OUTCOMES:

- provide first aid to victims in emergency situations in peacetime and in combat conditions.
- assess the medical and sanitary situation in the center of natural and man-made emergencies;
- assess the sanitary and epidemiological situation in the center of an emergency;
- conduct medical triage of victims in emergency situations.

CONTENT OF THE EDUCATIONAL COMPONENT

List of topics of practical classes (20 hours):

1. Organization of medical care for the wounded and sick at the pre-hospital stage
2. Principles of examination and provision of medical care for the wounded and sick at the pre-hospital stage. Sorting of the wounded and sick at the pre-hospital stage
3. Principles of providing medical care for the wounded and sick in a state of shock at the pre-hospital stage. Injuries and injuries of the head, neck and spine
4. Combat injuries and injuries of the torso
5. Injuries and injuries of the limbs and major vessels. Compression and crushing injury
6. Mine and explosive injuries
7. Injuries caused by the action of low and high temperatures
8. Emergency medical care for military personnel in emergency conditions
9. Acute stress reaction and post-traumatic stress disorder

10. Provision of medical care for the wounded and sick at the pre-hospital stage. Credit

List of topics for independent student work (70 hours)

1. Organization of medical care for the wounded and sick at the pre-hospital stage
2. Principles of examination and provision of medical care for the wounded and sick at the pre-hospital stage
3. Sorting of the wounded and sick at the pre-hospital stage
4. Principles of providing medical care for the wounded and sick in shock at the pre-hospital stage
5. Injuries and injuries to the head, neck and spine
6. Combat injuries and injuries to the torso
7. Injuries and injuries to the limbs and major vessels. Compression and crushing trauma
8. Mine and blast injuries
9. Injuries caused by low and high temperatures
10. Emergency medical care for military personnel in emergency conditions
11. Acute stress reaction and post-traumatic stress disorder

ISV is aimed at deepening and consolidating theoretical knowledge obtained during classroom training and contributes to the formation of professional competencies. The results of the ISV are subject to control and are included in the final knowledge control.

Consultations: online, with prior registration on the course page in the Distance Learning System of the course.

Teaching methods: practical classes on simulators, mannequins, dummies (applying tourniquets, evacuating the wounded, ensuring airway patency); structured scenarios for consolidating skills under time pressure, work in small groups on situational tasks and cases (battle trauma, damage by chemical weapons, mass admission of victims); independent work and distance learning of materials in Moodle; explanatory-illustrative method, problem-based presentation method, partial-search or heuristic method, research method; methods of stimulating and motivating educational and cognitive activity: inductive and deductive teaching methods.

ASSESSMENT

Current educational activity (CEA). Assessment of the success of education seekers is carried out in accordance with the Instructions for assessing the educational activity of higher education seekers at KhNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>). The grade for a practical lesson is from 2 to 5 points. Submitting assignments late for unwarranted reasons entails a reduction in the grade according to the percentage of lateness in time from the time of completing the assignment. Assignments are checked within 24 hours. Grades are posted in the electronic journal. Unsatisfactory grades are worked out in accordance with the Regulations on the procedure for working out academic classes by students of KNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

At the end of the semester, the average grade for the semester is converted into a multi-point grade (70 - 120 points) in accordance with Table 1 of the Assessment Instructions (see above). The arithmetic average PND for the semester constitutes the total educational activity (GEA).

Individual assignments (IA) are evaluated up to 10 points.

Final control. The condition for admission to the test is to obtain 70 points of the final examination. The score for the test is from 50 to 80 points.

Appealing the results of the final control is carried out in accordance with the procedure established by the KhNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_apel_kontrol.pdf).

POLICIES OF THE EDUCATIONAL COMPONENT

Recommendations for course work: actively participate in all forms of work in classes, devote 1-2 hours daily to independent work and preparation for classes, ask questions during classes, attend consultations, submit assignments on time and complete all forms of control.

Attendance at classes. Attendance at practical classes is mandatory. The dress code during offline classes is a white medical gown. If you are more than 5 minutes late, you may not be allowed to attend classes. Missed classes are made up in accordance with the Regulations on the procedure for students of KNMU to complete academic classes (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

Academic integrity. KNMU has a zero tolerance policy for manifestations of academic dishonesty. Any violation of the principles of academic integrity entails liability in accordance with the procedure established by KNMU

(https://knmu.edu.ua/wp-content/uploads/2021/05/polog_ad-1.pdf).

The use of electronic gadgets and artificial intelligence tools is allowed only with the permission of the teacher.

Policy for individuals with special educational needs. Applicants with special educational needs should contact the teacher to develop an individual educational trajectory.

Teacher response time: 24 hours.

Technical requirements for working on the course:

- access to a computer, laptop, tablet or smartphone
- a corporate Google account with your own photo
- skills in working with Google Workspace (Google Meet, Docs, Sheets, Slides, Forms) and Moodle

Technical support: ACS (ev.shevtsov@knmu.edu.ua), Google (tehotdelknmu@gmail.com), Moodle (al.korol@knmu.edu.ua)

Information resources

1. Representation of the President of Ukraine <http://www.president.gov.ua/>.
2. Verkhovna Rada of Ukraine <http://www.rada.kiev.ua>
3. Cabinet of Ministers of Ukraine <http://www.kmu.gov.ua/>
4. National Security and Defense Council of Ukraine <http://www.rainbow.gov.ua/>
5. Ministry of Education and Science of Ukraine <http://www.mon.gov.ua/>
6. State Emergency Service of Ukraine. <http://www.mns.gov.ua>
7. Permanent Mission of Ukraine to the UN <http://ukraineun.org/>
8. North Atlantic Treaty Organization (NATO) <http://www.nato.int/>
9. World Health Organization. <https://www.who.int/ukraine/uk>

Head of the Department of Disaster Medicine and Military Medicine _____ Prof. Volkova Yu. V.