

PRIVATE HIGHER EDUCATIONAL INSTITUTION  
"INTERNATIONAL ACADEMY OF ECOLOGY AND MEDICINE"  
Department of Social Medicine and Preventive Medicine

SYLLABUS  
EDUCATIONAL DISCIPLINE


"Emergency and urgent medical aid"

*LEVEL OF HIGHER EDUCATION Second (master's) level*

*DEGREE OF HIGHER EDUCATION Master*

*FIELD OF KNOWLEDGE 22 Healthcare*

*SPECIALTY 221 Dentistry*

Considered and approved  
at a meeting of the Department of Internal  
Medicine with a course in endocrinology Doctor of  
Medical Sciences, Postrelko Valentin  
 Protocol № 1 from "09" IX 2020

Kyiv 2020

<b>1. general information</b>	
<b>Subjects</b>	Emergency and urgent medical aid
<b>Teacher (s)</b>	Namyatov Oleg
<b>Teacher's contact phone number</b>	066 790 79 46
<b>Teacher's e-mail</b>	maemendocrinology@gmail.com, namyatov1950@gmail.com
<b>Discipline format</b>	Normative discipline
<b>The scope of discipline</b>	90
<b>Link to the distance learning site</b>	
<b>Consultations</b>	Not on the program
<b>2. Discipline abstract</b>	
<p>Emergency and urgent medical assistance - medical discipline, which studies organizational and legal principles of creation, functioning and development of an emergency medical care system in Ukraine, as well as training of personnel, which prompted to develop typical training programs and the introduction of discipline "Emergency and emergency care" in preparation of students on a pre-diode and postgraduate levels.</p> <p>The main attention is focused on the primary and secondary examination of the patient or the victim of emergency (fast) medical care at the scene and in the process of evacuation of the victim (patient) to the hospital stage. On the basis of protocols from medical conditions, it is necessary to realize them in the course of treatment.</p>	
<b>3. The purpose and objectives of the discipline</b>	
<i>The purpose of studying the discipline "Emergency and urgent medical aid":</i>	
<p>The purpose of studying the discipline "Emergency and urgent medical care":</p> <ul style="list-style-type: none"> <li>- Diagnosis of urgent states: in all circumstances (at home, on the street, in a medical institution, etc.), in a lack of information and limited time, using standard examination methods and data of possible anamnesis, knowledge of man, its organs and systems, Following the relevant ethical and legal norms, by making a reasonable decision and assessment of a person to diagnose;</li> <li>- conducting medical evacuation measures: in conditions of emergency, including military status, during the deployed stages of medical evacuation, taking into account the existing system of medical evacuation support, organizing conducting medical evacuation measures among the population and servicemen;</li> <li>- Determination of the tactics of providing emergency care: in all circumstances, using knowledge of man, its bodies and systems, adhering to the relevant ethical and legal norms, by making a well-grounded decision, based on the diagnosis of an urgent state in a limited time with the help of standard schemes to determine tactics of providing emergency medical care.</li> </ul>	
<i>The objectives of studying the discipline "Emergency and urgent medical aid":</i>	
<p>The main tasks of studying the discipline "Emergency and urgent medical care":</p> <p>Be able to diagnose, determine the tactics of treatment and provision of emergency medical assistance in accordance with existing protocols on medical conditions within the limits of the budget budget preparation:</p> <p>asphyxia hypertonic crisis Acute respiratory failure Acute poisoning Electrovama external bleeding stop blood circulation and breathing, coma Swelling of the larynx, Quincke's edema faint overcooling drowning shocks.</p>	
<b>4. Learning outcomes (competencies)</b>	
As a result of studying the discipline "Emergency and urgent medical aid"	
<b>KNOW:</b>	
<ul style="list-style-type: none"> <li>• diagnosis of urgent states;</li> <li>• Conducting medical and evacuation measures: in emergency conditions, including a military state;</li> <li>• defining the tactics of providing emergency medical care under all circumstances;</li> <li>• Provision of emergency medical care: in all circumstances;</li> <li>• The sequence of actions of the brigade of emergency medical care in the case of mass lesions.</li> </ul>	
<b>BE ABLE TO:</b>	
<ul style="list-style-type: none"> <li>• draw conclusions in diagnosing urgent states.</li> <li>• To determine the tactics of providing emergency medical care.</li> <li>• Intract key issues of legislative acts and normative documents on emergency and emergency medical care.</li> <li>• draw conclusions about the presence of an urgent state in the injured, patient, affected.</li> <li>• Explain requirements for emergency and urgent medical care with various injuries, diseases, accidents.</li> </ul>	
<b>5. Organization of the study of the discipline</b>	
<i>The volume of the course</i>	
<b>Type of lesson</b>	<b>Total number of hours</b>
Lectures	90
Seminars	10
	20

Independent work			60		
<i>Signs of the course</i>					
Semester	Specialty	Course (year of study)	Normative / selective		
9	221 Dentistry	5	Normative		
<i>Course topics</i>					
Theme, plan	Form of employment	literature	Tasks, hours	Estimation weight	Deadline
Topic 1. Organization of emergency and urgent medical care in Ukraine. Initial actions of medical workers in case of an urgent state of the patient	Lecture	Basic, auxiliary - in accordance with paragraph 8	6 hours	10-15	According to the schedule
Topic 2. Modern means of ensuring the passage of respiratory tract and artificial ventilation of the lungs in adults.	Lecture	Basic, auxiliary - in accordance with paragraph 8	6 hours	10-15	According to the schedule
Topic 3. Stop blood circulation and breathing. Technology of emergency medical care adult.	Lecture	Basic, auxiliary - in accordance with paragraph 8	6 hours	10-15	According to the schedule
Topic 4. Diagnosis and treatment of urgent states in place events. Emergency medical assistance in mechanical trauma.	Lecture	Basic, auxiliary - in accordance with paragraph 8	6 hours	10-15	According to the schedule
Topic 5. Emergency medical assistance with mass lesions	Lecture	Basic, auxiliary - in accordance with paragraph 8	6 hours	10-15	According to the schedule
Topic 6. Organization of emergency and urgent medical care in Ukraine. Initial actions of medical workers in the case of an urgent state of the patient. The procedure for providing urgent medical assistance to victims and patients with a pre-hospital stage. The procedure for providing urgent medical assistance to victims and patients with a pre-hospital stage. The primary examination. Secondary examination.	practical	Basic, auxiliary - in accordance with paragraph 8	6 hours	40	According to the schedule
Topic 7. Modern means of ensuring the passage of respiratory tract and artificial ventilation of the lungs in adults.	practical	Basic, auxiliary - in accordance with paragraph 8	6 hours	40	According to the schedule
Topic 8. Emergency medical assistance with mass lesions. Diagnosis and treatment of urgent states on the scene. Emergency medical assistance in mechanical trauma.	practical	Basic, auxiliary in accordance with paragraph 8	6 hours	40	According to the schedule
Topic 9. Differential credit	*	Basic, auxiliary in accordance with	2 hours	80	According to the schedule

## 6. Course evaluation system

### General course evaluation system

Current control is based on the control of theoretical knowledge, skills and abilities in practical classes. The student's independent work is assessed in practical classes and is part of the final assessment of the student. Current control is carried out during classes and aims to verify the assimilation of students' learning material. Forms of current control are:

- test tasks with the choice of one correct answer, with the definition of the correct sequence of actions, with the definition of compliance;
- individual oral examination, interview;
- solving typical situational problems;
- control of practical skills;
- solving typical tasks of diagnosis, medical care, medical evacuation, treatment and prevention.

Grades in the national scale ("excellent" - 5, "good" - 4, "satisfactory" - 3, "unsatisfactory" - 2), received by students, are displayed in the journals of attendance and academic group performance.

Final control of learning success is carried out in the form of diff. credit (oral and test tasks).

The maximum number of points that a student can score for current educational activities for admission to the PC is 120 points.

The minimum number of points that a student must score for the current academic activity for admission to the exam is 72 points.

The calculation of the number of points is based on the grades obtained by the student on the traditional (national) scale during the study of the discipline during the semester, by calculating the arithmetic mean (CA), rounded to two decimal places.

Assessment of students' independent work. Students' independent work, which is provided by the topic of the lesson along with the classroom work, is assessed during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the final module control.

**Table 1. Conversion of the average grade for current activities in a multi-point scale (for disciplines that end with an exam (differentiated credit))**

4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale	4-6point scale	120-point scale
5	120	4,45	107	3,91	94	3,37	81
4,95	119	4,41	106	3,87	93	3,33	80
4,91	118	4,37	105	3,83	92	3,29	79
4,87	117	4,33	104	3,79	91	3,25	78
4,83	116	4,29	103	3,74	90	3,2	77
4,79	115	4,25	102	3,7	89	3,16	76
4,75	114	4,2	101	3,66	88	3,12	75
4,7	113	4,16	100	3,62	87	3,08	74
4,66	112	4,12	99	3,58	86	3,04	73
4,62	111	4,08	98	3,54	85	3	72
4,58	110	4,04	97	3,49	84	Less 3	Not enough
4,54	109	3,99	96	3,45	83		
4,5	108	3,95	95	3,41	82		

The maximum number of points that a student can score during the final control of the student's acquisition of knowledge is 80 points.

**Table 2. Scale of assessment of differentiated (exam) credit:**

National scale	Score scale
«5»	70-80
«4»	60-69
«3»	50-59

Assessment of the final control

is considered credited if the student scored at least 60% of the maximum amount of points (for a 200-point scale - at least 50 points).

The final number of points that the student scored in the discipline is defined as the sum of points for the current educational activity (Table 1) and for the final control (differentiated credit) (Table 2).

Requirements for final test control	<p>The final test control is credited to the student if he demonstrates the possession of practical skills and scored at least 50 points in the test control of theoretical training.</p> <p>The maximum number of points for the final control of the student (differential test) - 80 points.</p> <p>Criteria for assessing students for final control are carried out according to the scheme:</p> <p>"2" - 0-49 points;</p> <p>"3" - 50-60 points;</p> <p>"4" - 61-70 points</p> <p>"5" - 71 - 80 points</p> <p>Assessment of the final test task is carried out by dividing the* maximum score of the final control - 80 - by the number of test questions in the variant and multiplied by the number of correct test answers of the student.</p>
Practical	Module 1

training	
<b>Classroom work (Content module 1)</b>	
T 1-9	Amount - 200 (The maximum number of points that a student can score for the current educational activity, the minimum is 120 points).
Control work	0
Test	2
Working in pairs	18
Abstract	20
Conditions of admission to the final control	Semester control is provided in the form of credit. Provides a final grade on a 200-point scale as the sum of grades for the current control of knowledge (oral examination, tests, examination of abstracts), the results of the content module.
<b>7. The policy of studying the discipline</b>	
The organization of the educational process is carried out with the use of the European Credit Transfer System (ECTS) to assess student performance. The points gained in the current survey, independent work and points of the final control are credited. This must take into account the student's presence in class and his activity during practical work. Inadmissible: absences and late classes; use of a mobile phone, tablet or other mobile devices during the lesson (except for the cases provided by the curriculum and methodical recommendations of the teacher); copying and plagiarism; untimely performance of the task, the presence of unsatisfactory assessments and more submitted theoretical and practical material.	
<b>8. Recommended literature</b>	
<b>Basza:</b>	<ol style="list-style-type: none"> <li>1. MI Swede, AA Gudima, SM Hjack et al. Emergency Medical Aid: Guide - Ternopil: TDMU, 2016 - 448 p.</li> <li>2. O.V. Dents. Set of educational materials on discipline "Emergency and urgent medical care". - K., PVNZ "International Academy of Ecology and Medicine", Department of Internal Medicine with the course of Endocrinology, 2020.</li> </ol>
<b>Auxiliary:</b>	<ol style="list-style-type: none"> <li>3. Avruksky G.Ya., Balabokin M.I., Barkachan E.S. и р. A performance on the expansion of a solid and non-adhesive medicine mast. - Rostov-to-day: Fennas, 2005. -t.1. - 576 p.; T.2.- 575 p.</li> <li>4. Algorithm of extremity medical assistance with non-adhesive stations on a fitting etup. Lugansk, 2000.</li> <li>5. Bunyan A.A. An area of reanatology and anesthetics. -M.: Medicine, 2006. 272 p.</li> <li>6. Directory for medical care at a pre-hospital stage (edited by I. S. Zozul). Kyiv, "Health", 2004.</li> <li>7. Kovalchuk L.Ya., Gnatov V.V., Bech M.D, etc. Anesthesiology Reanimation and intensive therapy of urgent states. - Ternopil: Ukrmedkniga, 2003. - 324 p.</li> <li>8. Moskalenko VF, Roschin G. G., Nanyuk MV and others. Standards for urgent medical care at the pre-hospital stage by protocols. In the book: Problems of military health. Kyiv, 2005, p. 293 - 297.</li> </ol> <p>Safar P. Cordful-Lego-Brain Reausmatia / Per. with English. - M.: Medicine, 2004</p>

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