

Contents of the electronic educational module on the discipline “Life Safety” for 2nd year students of the Faculty of Medicine on the Moodle platform, studying in English

№ п/п	Topic number and name	Class form and hours according to the work program	Content
1	Topic № 1.1 The foundations of safety science. Conception and main definitions	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.1
2	Topic 1.2 Topic № 1.2 «The man and the technosphere	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.2
3	Topic 1.3 Part 1 Safety arrangements of civil population in the case of emergency or armed conflict. Individual protective equipment.	Practical lesson – 1.5 hour Educational films - 0.5 hour	<ul style="list-style-type: none"> • Educational material for self-study • Tests on topic 1.3 part 1
4	Topic 1.3 part 2 Safety arrangements of civil population in the case of emergency or armed conflict. Individual skin protective equipment: protective clothing	Practical lesson – 2 hours	<ul style="list-style-type: none"> • Educational material for self-study • Tests on topic 1.3 part 2 • Demonstration of personal protective equipment for respiratory organs and skin (OZK, L-1, gas masks) • Checklist for determining gas mask size • Checklist for putting on a gas mask • Checklist for putting on protective clothing OZK
5	Topic 1.3 part 3 Safety arrangements of civil population in the case of emergency or armed conflict. Medical personal protective equipment	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Educational material for self-study • Tests on topic 1.3 part 3 • Study of personal protective equipment
6	Topic 1.3 part 4 Working with chemical and radiation reconnaissance instruments	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Educational material for self-study • Tests on topic 1.3 part 3 • The procedure for working with an individual dosimeter ID-1 • Preparation for work and operation of the ПХР-МВ device

			<ul style="list-style-type: none"> • The order of work with the device DP-5V • How to work with the dosimeter DKP-50
7	Topic 1.4 Harmful and poisoning impact of chemical agents. Identification of warfare poisoning agents	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.4
8	Topic 1.5 Ionizing radiation	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.5
9	Topic 1.6 Main principles and methods of defense against hazard impact and harmful agents	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.6
10	Topic 1.7 Medical and sanitary provision in the case of local armed conflict or terroristic act.	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.7
11	Topic 1.8 Part 1 Removing the victim from hard-to-reach places	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.8 Part 1 • Checklist Extracting a victim using a medical strap • Textbook Workshop on life safety
12	Topic 1.8 part 2 Laying the victim on a stretcher and carrying victim on a stretcher	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.8 Part 2 • Checklist of the practical skill Carrying an injured person on a strap with an eight by one porter • Checklist of the practical skill Loading the wounded on a stretcher and carrying the wounded on a stretcher • Checklist of the practical skill Carrying an injured person on a strap with an eight by two porters • Textbook Workshop on life safety
13	Topic 1.9 part 1 Procedure for calling an ambulance. Elimination of damaging factors. Removal from a damaged vehicle	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.9 Part 1 • Checklist of the practical skill Removing the victim from the car with the neck fixation by hands • Checklist of the practical skill Removing the victim from the car without fixing the neck with the hands • Textbook Workshop on life safety
14	Topic 1.9 part 2 Diagnosis of signs of life. Transfer to a stable lateral position	Practical lesson - 1 hour	<ul style="list-style-type: none"> • Tests on topic 1.9 Part 2 • Checklist for the practical skill Transfer to a stable lateral

			<p>position (there is no suspicion of spinal injury)</p> <ul style="list-style-type: none"> • Checklist for the practical skill Transfer to a stable lateral position (if a spinal injury is suspected) • Textbook Workshop on life safety
15	Topic 1.10 part 1. Safety provision for the first aid	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.10 Part 1 • Textbook Workshop on life safety
16	Topic 1.10 part 2 Safety provision for the first aid	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.10 Part 2 • Textbook Workshop on life safety • Checklist of the practical skill Basic cardiopulmonary resuscitation
17	Topic 1.11 Part 1 First aid for common traumas and poisonings	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.11 Part 1 • Checklist for the practical skill Conducting Heimlich's reception in children • Checklist of the practical skill Conducting the Heimlich technique in an unconscious victim • Checklist of the practical skill Conducting Heimlich's reception in the victim in consciousness • Textbook Workshop on life safety
18	Topic 1.11 Part 2 First aid for common traumas and poisonings	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.11 Part 2 • Checklist of the practical skill Applying a hemostatic tourniquet • Checklist of the practical skill Applying hemostatic twists • Textbook Workshop on life safety
19	Topic 1.12 part 1 First aid for household injuries and poisonings	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.12 Part 1 • Checklist for the practical skill "Bandaging with a scarf" • Checklist of the practical skill "Applying the bandage Dezo" • Textbook Workshop on life safety
20	Topic 1.12 part 2. First aid in the case of explosion, building failure, earthquake	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.12 Part 2 • Textbook Workshop on life safety
21	Topic 1.13 part 1 First aid in case of an	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on topic 1.13 Part 1

	accident		<ul style="list-style-type: none"> • Textbook Workshop on life safety • Checklist of the practical skill Finger pressing of the damaged vessel to the bone protrusions
22	Topic 1.13 part 2 First aid in case of an accident	Practical lesson - 1 hour	<ul style="list-style-type: none"> • Tests on topic 1.13 Part 2 • Textbook Workshop on life safety
23	Topic 1.14 Safety of medical work	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.14
24	Topic 1.15 First aid in case of fires	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.15
25	Topic 1.16 First aid for poisoning and illness	Lecture - 2 hours	<ul style="list-style-type: none"> • Lecture presentation • Tests on topic 1.16
26	Final lesson No. 1	Practical lesson - 1 hour	<ul style="list-style-type: none"> • Tests on final lesson No. 1 • Practical skills for final lesson No. 1
27	Final lesson No. 2	Practical lesson - 1 hour	<ul style="list-style-type: none"> • Tests on final lesson No. 2 • Practical skills for final lesson No. 2
28	Examination lesson	Practical lesson - 2 hours	<ul style="list-style-type: none"> • Tests on Examination lesson • Practical skills: cardiopulmonary resuscitation, application of a hemostatic tourniquet, application of a Deso bandage, application of a scarf, Heimlich maneuver
TOTAL HOURS		Total - 56 hours Lecture - 18 hours Practical lesson – 36 hours	