APPROVED
Head of the Military Department
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TOPICS AND QUESTIONS for **lections** on **DISASTER MEDICINE** for **3rd** year students for the **spring semester** of **2023/2024** academic year

№	Date	Title of topic, content of lection
1.	16/02	**Lection 1.1. Introduction to Disaster Medicine: definitions and legislation** 1. Disaster medicine: definition, content, basic concepts. 2. Legislation in the field of prevention and liquidation of disasters. 3. Classification of disasters. 4. Medical and tactical characteristics of disasters.
2.	1/03	**Lection 1.4. Medical triage.** 1. The purpose and objectives of medical triage. 2. Sorting characteristics, sorting groups. 3. Organization and implementation of medical triage at the pre-hospital and hospital stages. 4. Medical triage during chemical and biological disasters.
3.	15/03	**Lection 1.6. Health care system during disasters** 1. Planning and organizing of medical care during disasters. 2. Emergency medical service. 3. Organization of work of medical units and health care institutions during disasters and in case of mass arrival of victims. 4. Organization of work during an emergency in a healthcare institution or in the event of a terrorist attack.
4.	29/03	**Lection 1.7. Bioterrorism and biological weapons** 1. Biological weapons as a type of weapons of mass destruction. 2. Organization of medical care during an epidemic outbreak. 3. The work of a healthcare institution after identifying a patient with suspected highly dangerous infections. 4. Sanitary and hygienic measures carried out during disasters. Bioterrorism.
5.	12/04	**Lection 2.1. Chemical warfare agents** 1. Definition and tasks of military toxicology. 2. Chemical weapons: definition, classification. Characteristics of chemical warfare agents. 3. Zone of chemical contamination. 4. Toxicokinetics and toxicodynamics.
6.	26/04	**Lection 2.2. Diagnostics and treatment of acute poisoning** 1. Acute poisoning: definition, classification. General principles for diagnostics of acute poisoning. 2. Syndromes of acute poisoning and their clinical manifestations. 3. General principles of emergency care at the prehospital stage. Measures during oral, inhalation poisoning, skin lesions. 4. Characteristics of modern antidotes, their application. Modern methods of detoxification.
7.	10/05	**Lection 2.9. Natural toxins** 1. Poisons and toxins of plant and animal origin, their classification. 2. Poisoning by poisonous plants. 3. Poisoning by poisonous mushrooms. 4. Poisons by toxins of animal origin (including insect, snake and amphibians bites).
8.	10/05	**Lection 3.4. Antidotes and radioprotectors.** 1. Medical personal protective equipment against chemical injuries (antidotes). Main groups of antidotes. 2. Main groups of radioprotectors; protective effectiveness and mechanism of action. 3. Agents that stimulate radioresistance of the body. Agents for the prevention and treatment of radiation injuries. 4. Individual first aid kit. Usage of a unit-dose syringe.
9.	24/05	**Lection 3.5. Medical intelligence** 1. Medical intelligence: purpose, objectives, components, organization at the stages of medical evacuation. 2. Standard equipment for radiation intelligence and radiation monitoring. 3. Examinations of water (food) for contamination with radioactive substances and biological agents.
10.	7/06	**Lection 3.7. Decontamination** 1. Decontamination: definition, tasks. 2. Types and methods of decontamination. 3. Equipment for decontamination. 4. Decontamination department: tasks, structure, organization and principles of working.

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