

**Thematic plan of seminar-type classes
in discipline «Fundamentals of protection against weapons of mass
destruction»
for students of 2023 year of admission
under the educational programme
33.05.01 Pharmacy,
specialisation (profile) Pharmacy
(Specialist's degree),
form of study full-time
for the 2025-2026 academic year**

№	Thematic blocks	Practical training within the thematic block ³	Hours (academic) ⁴
5th semester			
1.	The concept of weapons of mass destruction. ¹ Types of weapons of mass destruction. Possible means of delivery. Organization of protection of the population from weapons of mass destruction. Evacuation of the population. ²	-	4
2.	Chemical and incendiary weapons. ¹ General characteristics. Classification of toxic substances, the basics of chemical weapons. The concept of a chemical outbreak, types. ²	-	4
3.	Chemical reconnaissance and control equipment. ¹ Technical means of chemical weapons indication. Classification, purpose, devices, rules of use. ²	-	4
4.	Personal protective equipment. ¹ Personal respiratory protection equipment. Personal skin protection equipment. Classification, purpose, device, and usage rules. ²	-	4
5.	Neurotoxic agents. ¹ PFC, Vx-gases: brief toxic-chemical characteristics, clinical manifestations, prevention of injuries, and medical care at the stages of evacuation. ²	-	4
6.	Psychodysleptic agents. ¹ BZ, LSD: brief toxic-chemical characteristics, clinical manifestations, prevention of injuries, and medical care at the stages of evacuation. ²	-	4
7.	Cytotoxic agents. ¹ Sulfur mustard, Lewisite: brief toxic-chemical characteristics, clinical manifestations, prevention of lesions, medical care at the stages of evacuation. ²	-	4
8.	Poisonous substances of general toxic effect. ¹ Cyanides, carbon monoxide: brief toxic-chemical characteristics, clinical manifestations, prevention of lesions, medical care at the stages of evacuation. ²	-	4
9.	Toxic substances with pulmonotoxic effect. ¹ Phosgene, diphosgene: brief toxic-chemical characteristics, clinical manifestations, prevention of injuries, and medical care at the stages of evacuation. ²	-	4
10.	Toxic substances with irritant effect. ¹ "Police mixtures": brief toxic-chemical characteristics, clinical manifestations, prevention of injuries, and medical care at the stages of evacuation. ²	-	4
11.	Toxic technical liquids. ¹ Brief toxic-chemical characteristics, clinical manifestations, prevention of injuries, and medical care at the stages of evacuation. ²	-	4
12.	Nuclear weapons. ¹ Concept, damaging factors, and mechanism of	-	4

	damaging effects. ²		
13.	Radiation reconnaissance. Dosimetric control. ¹ Classification, purpose, devices, and rules of use. ²	-	4
14.	Special treatment. ¹ Types and methods of treatment. ²	-	2
15.	Medical personal protective equipment. ¹ Individual first aid kit, individual protective equipment, and personal protective equipment: purpose, composition, and rules of use. ²	-	2
16.	Control of knowledge, skills, and abilities	-	4
Total			60

¹ – topic

² – essential content

³ – PT (practical training)

⁴ – one thematic block includes several classes, the duration of one class is 45 minutes, with a break between classes of at least 5 minutes

Considered at the department meeting Life safety, protocol of «30» May 2025г. № 11.

Head of the Department



A.D.Donika