



NATIONAL INSTITUTE FOR NBC PROTECTION

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Basic Training Course on NBC Protection and Emergency Response from 02 to 06 September, 2024

Training Program

Date	Time	Contents
2024.09.02	Morning	Opening Ceremonial Registration and Safety Orientation Lectures: basics of radiation and radiation protection; radiation detection and identification, individual protection and decontamination.
	Afternoon	Demonstration: radiation measurement devices and individual protection equipment. Practical Training: radiation reconnaissance & detection, contamination measurement.
2024.09.03	Morning	Lectures: introduction to Bio-threats; detection and identification techniques for biological hazards.
	Afternoon	Lecture: specifics of individual protection against biological agents. Practical Training: personal protective equipment; detection and decontamination.
2024.09.04	Morning	Lectures: introduction to CWA-threats; detection and identification techniques for chemical hazards.
	Afternoon	Lecture on personal protective equipment and decontamination against chemical hazards.
2024.09.05	Morning	Practical Training: personal protective equipment, decontamination and detection devices (cold run).
	Afternoon	Practical Training: emergency response operation - Scenario #1
2024.09.06	Morning	Practical Training: Emergency response operation - Scenario #2
	Afternoon	Q&A, Course evaluation, Closing ceremonial



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Advanced Training Course on NBC Protection and Emergency

Response from 15 to 21 September, 2024

Training Program

Date	Time	Contents
2024.09.16	Morning	Opening Ceremonial Registration and Safety Orientation Briefing on chemical hazards training with LA. Lecture on general aspects of chemical threats and hazards.
	Afternoon	Practical Training: personal protective equipment; LAT procedures: PPE donning & doffing, decontamination.
2024.09.17	Morning	Lecture and demonstration: detection and identification of chemical hazards Operational Training on detection equipment
	Afternoon	Practical Training (cold run): basic detection.
2024.09.18	All day	Briefing on training activities of the day. Hazardous Operation: hot run on model chemical hazard detection with detection devices. Drills on contamination control station.
		Discussion and evaluation of the day activities; Preparation for next day activities.
2024.09.19	All day	Briefing on training activities of the day. Introduction to sampling and operational training. Hazardous Operation: hot run on unknown model sample detection, sampling and identification. Drills on contamination control station.
		Discussion and evaluation of the day activities. Preparation for next day activities
2024.09.21	All day	Sampling and sample management. Follow-up procedures for sample handling.
		Q&A, Course evaluation, Closing ceremonial



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Training Course on NBC Protection and Emergency Response

from 15 to 19 September, 2025

Training Program

Date	Time	Contents
2025.09.15	Morning	Opening Ceremonial Registration and Safety Orientation
		Lectures: basics of radiation and radiation protection; radiation detection and identification, individual protection and decontamination.
	Afternoon	Demonstration: radiation measurement devices and individual protection equipment. Practical Training: radiation reconnaissance & detection, contamination measurement.
2025.09.16	Morning	Lectures: introduction to Bio-threats; detection and identification techniques for biological hazards. Lab Demonstration.
	Afternoon	Lecture: specifics of individual protection against biological agents. Practical Training: personal protective equipment; detection of model biological agents; decontamination of bio-simulants.
2025.09.17	All day	Lecture: introduction personal protective equipment and decontamination against chemical hazards. Practical Training: personal protective equipment, immediate decontamination; contamination control station. Checking the tightness of the masks
		Discussion and evaluation of the day activities; Preparation for next day activities.
2025.09.18	All day	Briefing on training activities of the day. Hazardous Operation: on unknown model sample detection and identification. Drills on contamination control station. Practical Training: detection devices
		Discussion and evaluation of the day activities. Preparation for next day activities
2025.09.19	All day	Practical Training: Emergency response operation - Scenario #1 and #2
		Q&A, Course evaluation, Closing ceremonial



GENERAL DESCRIPTION OF THE TRAINING COURSE

CBRN Protection and Emergency Response; 25 – 29 May 2026

Course Title CBRN Protection and Emergency Response – Basic Training

Course Duration 5 days (daily schedule approximately 08:00–15:30)

Course Summary / Training Concept

This training course provides a practical introduction to CBRN protection and emergency response. The programme combines lectures, demonstrations and hands-on exercises designed to develop fundamental operational skills in detection, protection and incident response. Individual training modules focus on biological, radiological and chemical hazards, followed by integrated scenarios that require participants to apply acquired knowledge in simulated operational situations. The course emphasizes practical decision-making and teamwork.

Core Structure

Training day 1	CBRN Fundamentals and Operational Response
AM training session	Safety Instruction and OHS/PO Introduction To CBRN Threats And Risks, Hazard Characteristics In The Presence Of Chemical, Biological And Radioactive Substances Basic Principles Of Protection Against Hazardous Substances, Types Of PPE, Detection And Identification Options For Hazardous Substances General Procedures For Responding To An Emergency (situation assessment, zoning, safety measures)
PM training session	Practical Exercise – Personal Protective Equipment (PPE) Practical Exercise – Decontamination Procedures
Training day 2	Biological Hazards and Response
AM training session	Biological Threats, Risks of Misuse of Biological Agents General Detection and Identification Options for Biological Agents and Toxins Protective Equipment Against Infectious Materials Demonstration of Different Sampling Methods Simple Detection Options (Detection Kits)
PM training session	Practical Exercise – Biological Detection and Sampling Techniques

Training day 3		Radiological/Nuclear Hazards and Response
AM training session		Fundamentals of ionizing radiation, radiation protection Effects of ionizing radiation on humans, methods of protection against IR Possibilities of detection and identification of ionizing radiation sources Demonstrations of the physical nature of the principle of distance and time for protection against IR Training in the use of detectors (radiometers) and handheld spectrometers
PM training session		Practical Training – Radiation Survey and Contamination Monitoring
Training day 4		Chemical Hazards and Response
AM training session		Chemical threats, risks of chemical substance misuse Hazardous properties of hazardous substances Detection and identification options in on-site conditions Demonstration and training in the use of simple detection tools (paper, tubes) Demonstration of various types of automatic chemical substance detectors
PM training session		Practical Training – Chemical Detection and Survey
Training day 5		Integrated CBRN Incident Response Scenarios
AM training session		Preparation of PPE before use Survey of illegal laboratory for the presence of chemical or biological contamination and/or IRS Localization of IRS, detection of chemical substances (Bluetooth simulation), use of detection kit for detection of biological agents/toxins (imitation for false positives)
PM training session		Course Evaluation and Closing Ceremony