

WMD Radiological/Nuclear Awareness Course

COURSE DESCRIPTION

This course is a weapons of mass destruction (WMD) radiological/nuclear overview designed for first responders and other personnel who are likely to be the first to arrive on the scene of a radiological/nuclear incident. It focuses on the basics of radiation, possible health effects, hazard identification, and proper notification procedures. The course consists of classroom instruction.

COURSE OBJECTIVES

- ❖ To describe the radiological/nuclear threat of terrorism and its potential effects on the community
- ❖ To describe the basic properties of radiation and its effects on responders in a radiological environment
- ❖ To explain the health effects on the responders and victims in a radiological/nuclear incident and the basic principles of emergency medical treatment
- ❖ To apply time, distance, and shielding concepts to reduce exposure while operating in a radiation environment
- ❖ To operate a variety of radiological instruments to determine the presence and quantity of radiation
- ❖ To use survey techniques to determine the radiological hazards and to make tactical decisions
- ❖ To describe the design and construction features of containers used for radiological/nuclear material
- ❖ To describe the issues and considerations associated with managing large-scale radiological/nuclear incidents

- ❖ To determine tactical considerations in responding to radiation incidents based upon information from the previous modules

COURSE LENGTH

6 hours

PREREQUISITE

None

TARGET AUDIENCE/DISCIPLINE

- ❖ Law Enforcement
- ❖ Emergency Medical Services
- ❖ Emergency Management Agency
- ❖ Fire Service
- ❖ Hazardous Material (HazMat)
- ❖ Public Works
- ❖ Governmental Administrative
- ❖ Public Safety Communications
- ❖ Health Care
- ❖ Public Health

CERTIFICATE

U.S. Department of Energy, National Center for Exercise Excellence, Nevada Test Site certificate (CEUs awarded by the University of Nevada, Las Vegas [UNLV])

COURSE DELIVERY

Mobile Training Team (MTT) at the local jurisdiction

COST

All training and course materials are free to eligible jurisdictions.