



## PER-345 Radiation Instruments Operations

### Description:

This course trains emergency responders in the individual skills needed to use radiation detection equipment and dosimetry while operating in the prevent or response radiological/nuclear mission fields. Responders will be trained to select the appropriate instrument for a specific mission and use the instrument in performance of that mission.

Responders learn the basic operation of personal radiation detectors (PRD's), survey instruments, portal monitors, and radio-isotope identification devices (RIID). Attendees are taught radiation detection activities using a variety of detection instruments. Attendees are encouraged to bring their own department's instruments if possible. This course uses sealed radioactive sources to provide realism.

### Course Objectives:

Upon completion of this course, participants will distinguish between various radiation detection and measuring devices. The participant will:

- Identify basic radiation concepts
- Describe the characteristics and competencies of a dosimeter and a Personal Radiation Detector (PRD)
- Describe the characteristics of a survey meter
- Describe the characteristics of a Radio-Isotope Identification Device (RIID)
- Describe the general characteristic and demonstrate basic operation of a Portal Monitor

### Prerequisites:

- You must be a US Citizen to take this course. **If you are not please let us know by email for further instruction at [OEM.TRAINING@DHSES.NY.GOV](mailto:OEM.TRAINING@DHSES.NY.GOV)**
- All participants must have a FEMA Student Identification (FEMA SID) number. Students can search for their existing/

**Length:** 4 Hours

### Target Audience:

- Law Enforcement
- Fire Service
- EMS
- HazMat Personnel
- Emergency Management
- Health Care
- Public Health
- Public Works
- Agriculture
- Animal Emergency Services
- Citizen/Community Volunteer
- Transportation
- Search and Rescue

### Cost:

There is no fee for the course. Other cost considerations are detailed in each LMS course offering.

### Signup Details:

Register through the New York State DHSES Learning Management System. Access the LMS through the link on the calendar webpage.