



شركة ميرك العربية السعودية  
MEIRC Saudi Arabia

## RADIATION SAFETY

### Duration 2 Days

### Overview

This 2-day course is designed for Security Staff, HPs, RSOs, industrial hygienists, firemen, policemen, rescue workers, ambulance drivers, emergency medical staff, doctors, nurses, or other medical personnel who may be involved in emergencies with potential for radiation exposures. The first day of this class will include a detailed review of the fundamentals of radiation safety.

Attendees will gain practical understanding for effective emergency response based on demonstrations and practice scenarios involving radioactive materials. The class will review the basis for radiation risk perceptions, understanding radiation, biological effects of radiation, radiation protection regulations, radiation measurements, exposure and contamination control, decontamination, and practical examples of responses to radiation incidents. Each attendee will receive an extensive training manual on **Radiation Safety**.

### Who Should Attend

All persons must receive Radiation Safety Training prior to beginning work with radioactive materials

### Course Objectives

At the end of this course the candidate will understand radiations and its impact on health & environment

### Course Outlines

- How Images Drive our Perceptions
- Understanding Radiation
- Radiation Health Concerns
- Radiation Protection Regulations
- Measuring Radiation
- Good Radiation Safety Practices
- Radioactive Wastes
- Radiation Protection Programs
- Spills, Emergency Response, Decontamination
- Shipment and Disposal of Radioactive Wastes

Responses to Radiation Incidents