



OREGON DEPARTMENT OF EMERGENCY MANAGEMENT

Training Opportunity

L0102: Science for Disasters

Training Course

Date:

March 4-6, 2024

8:00am to 5:00pm (PST) each day

Location:

3930 Fairview industrial Dr

Salem, OR 97302

Course Description:

This course provides the participants with an overview of scientific principles and concepts that shape our increasingly dangerous world.

The contents of the course include the following: Introduction to Science of Disaster provides a definition and benefits of science. Earth Science describes how the Earth's design sets the stage for the world's natural hazards including earthquakes, volcanic eruptions, tsunamis, and landslides/sinkholes. Climatology describes the scientific basis of common atmospheric hazards including convective storms, tropical cyclones, and other hazardous weather. Chemical and biological basics identifies the scientific basis of chemical and biological threats. Explosive, radiological, and nuclear fundamentals identifies the scientific basis of those threats.

Course Objectives

Indicate how earth science principles and processes influence natural hazards, including earthquakes, volcanic eruptions, tsunamis, ground failures, and floods.

Indicate how climatological principles and processes influence natural hazards, including convective storms, tropical cyclones, nor'easters, winter storms, temperature extremes, and droughts.

Indicate how chemical and biological principles and processes influence natural and human-caused hazards and impact society.

Indicate the scientific basis for explosive, radiological, and nuclear hazards and their impact on society.

Indicate how scientific understanding can improve emergency preparedness.

Target Audience

This course is intended for newly appointed emergency managers from Federal, state, local, tribal, and territorial emergency management agencies, and prospective professionals transferring from another discipline to emergency management.

Prerequisite

Recommended: IS 0100.b, Introduction to the Incident Command System, ICS 120.a., An Introduction to Exercise; IS 0200.b., ICS for Single Resources and Initial Action Incidents; IS 0230.d, Fundamentals of Emergency Management; IS 0700.a, National Incident Management System, An Introduction; and IS 0800.b, National Response Framework, An Introduction

To Register:

L0102: Science for Disasters

[NETC FEMA Application](#) Use Course Code: OR102

Questions?

Contact the State Training Program, oem.training@oem.oregon.gov