



Course Description

AWR-362 Flooding Hazards Science and Preparedness

Description:

Flooding hazards can threaten any community in any location in the United States. Flooding can occur over a period of weeks or days, or minutes, thus this course focuses the identification and assessment of hazards due to flooding to enable proper preparedness and response. As flooding is one of the top meteorological killers in the United States, and poses particular hazards to emergency responders, this introduction to recognizing flooding threats is essential for developing safe communities.

Flooding Hazards: Science and Preparedness is an awareness-level, eight-hour course that addresses the current science of the causes of floods (both meteorological and otherwise), flood forecasting, flood risk assessment, and best practices for preparation and mitigation for both short- and long-fuse flooding events. Modules will include instruction on:

- Factor that contribute and how these determine flood risk
- FEMA Flood risk maps and the National Flood Insurance Program
- How to read and interpret forecasts, watches and warnings from the National Weather Service and hydrographs from the U.S. Geological Survey
- Proper preparation for sudden flooding and dam breaks, and long-fuse flood events such as river

Course Objectives:

- Differentiate between different types of flooding hazards based on the meteorological and hydrological conditions and state their distribution across the United States.
- Access and interpret FEMA flood risk maps for their area.
- Identify organizations involved in forecasting and monitoring flooding and understand the products they issue.
- Describe preparedness and mitigation actions to be taken in anticipation of flood events.

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

All participants must have a FEMA Student Identification (FEMA SID) number. Students can search for their existing/create a new FEMA SID at: <https://cdp.dhs.gov/femasid/>.

Length: 8 Hours

Target Audience:

- Emergency Managers
- EMS
- Fire Service
- Law Enforcement
- Public Works

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.