

Lassen Community College Course Outline

FS-72A HazMat First Responder- Refresher

0.5 Units

I. Catalog Description

This course is designed to refresh students who are likely first responders to Hazardous Materials events. Within the operational role, course topics include risks and outcomes of hazardous materials, operational roles, safety procedures, stabilization of the scene, decontamination of victims and equipment and communication and coordination with agencies. This course is certified by the California Specialized Training Institute and students successfully completing the class will be issued a CSTI certificate. There will be a state certification fee for this class. This course may be repeated when needed to meet legally mandated training requirements. A \$5.00 materials fee for student manual flash drive will be collected at the time of registration.

Prerequisite: FS-72 First Responder- Hazardous Materials

Does Not Transfer to CSU/UC

9 Hours Lecture, 18 Hours Outside Work: 27 Total Student Learning Hours

Scheduled: As needed by Agencies

II. Coding Information

Repeatability: **Not repeatable – Take 1 time**

Grading Option: Graded

Credit Type: Degree Applicable

TOPS Code: 2133.10

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

- 1) Recognize hazardous materials
- 2) Demonstrate use of DOT emergency response guide
- 3) Describe the basic first responder operational initial actions

B. Course Objectives

Upon completion of this course, the student will be able to:

1. Recognize hazardous materials
2. Identify first responder operational roles
3. Recognize Hazardous material labels, placards, shipping papers, and MSDS's
4. Describe the basic first responder operational initial actions
5. Describe purpose and need to safely initiate command
6. Demonstrate proper information flow to command post
7. Cite assessment techniques
8. Demonstrate use of DOT emergency response guide
9. Explain the need, criteria, and limits of protective equipment
10. Cite the proper protective action options for stabilizing a contamination scene
11. Identify need for appropriate contamination of victims, responders, and equipment
12. Identify need and method to communicate and coordinate with various agencies

13. Identify the local contingency plan to be followed in the participants jurisdiction
14. Identify the legal role and rights of the media at a Hazardous material scene.

IV. Course Content

Hazardous Materials:

- What they are
- How to identify them
- Primary risks
- Negative outcomes
- Warning signs
- Identify labels, shipping papers, MSDS's

Hazardous material First Responder Awareness and Operational Roles

- Differences between these two
- Limits of each role
- Need for a safe mental attitude
- Required Notifications

Safety

- Isolation of the scene
- Initiate command
- Information flow to a unified command post

DOT Emergency Response Guide

- Hazardous material assessment techniques

Safety Equipment

- Types, needs, selection, limits

Decontamination of Victims, Responders and Equipment

- Proper disposal
- Documentation requirements

Communication and Coordination with Other Agencies

- Typical agencies authorized to be at Hazardous material scene
- Their roles, responsibilities and capabilities

Local Contingency Plan

- Components
- Purposes
- Limits of pre-event and event specific planning

Hazardous Materials Effects

- Health and life of first responder

Response to Scene

- Risk vs. Gain
- Legal roles and rights
- The media rights and capabilities
- Hazardous material legal aspects

V. Assignments

A. Appropriate Readings

- Assigned handout material

B. Writing Assignments

- Written quizzes, exams, and scenario exercises

C. Expected Outside Assignments

- Assigned reading and exam preparation

D. Specific Assignments that Demonstrate Critical Thinking

Students will participate in class discussions to help establish possible situations that pose an emergency situation and demonstrate effective teamwork, skills and provide participation in a review process.

VI. Methods of Evaluation

Traditional Evaluation

The student will be evaluated on class participation and a written final exam expected to be completed in a specified time frame.

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery

Online Delivery

Traditional Classroom Delivery

Lecture, discussion, audio/visual aids, demonstration, group exercises, guest speakers, lab, individualized programs and other as needed.

VIII. Representative Texts and Supplies

First Responder Operations Student Material Notebook”, CSTI-2022
Emergency Response Guide current edition and exercise materials.
All materials will be provided by the instructor.

IX. Discipline/s Assignment

Fire Technology

X. Course Status

Course Status: Active

Original Approval Date: 08/21/2012

Course Originator: David Trussell

Revised By: Dan Weaver

Curriculum/Academic Standards Committee Revision Date: 05/16/2023