

# Lassen Community College Course Outline

## FS-72C HazMat First Responder Awareness

0.5 Units

### I. Catalog Description

This course is designed to train students who are likely first responders to recognize Hazardous Materials events and implement actions to protect themselves and the public as per applicable OSHA regulations. Course topics include recognizing the presence of hazardous materials, Identifying risks associated with hazardous materials, learning how to use available resources, including the Emergency Response Guidebook; and how to notify the proper authorities in the event of a hazardous material emergency. This course is certified by the California Specialized Training Institute and students successfully completing the class will be issued a CSTI certificate. A \$5.00 Student Materials fee will be charged for a flash drive of the participant manual. This course may be taken when needed to meet legally mandated training requirements.

**Recommended Preparation:** Completion of ENGL105 or equivalent

Does Not Transfer to CSU/UC

8.5 Hours Lecture, 17 Expected Hours outside of Class, 25.5 Total Student Learning Hours

Scheduled: As needed by Agency

### II. Coding Information

Repeatability: Not repeatable

Grading Option: Graded or Credit/No Credit

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. Conduct initial identification and Assessment of a Haz Mat incident using the ERG response book
2. Identify first responder operational roles
3. Given an example of a hazardous material and the DOT Emergency Response Guidebook (ERG), identify the hazard information for that substance.

#### B. Course Objectives

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

1. Recognize potential and or actual Haz Mat Incidents
2. Conduct initial identification and Assessment
3. Identify first responder operational roles
4. Given an example of a hazardous material and the DOT Emergency Response Guidebook (ERG), identify the hazard information for that substance.
5. Safely isolate and make proper notifications

## IV. Course Content

- A. Welcome and Course Overview
  - a. Need for First Responder Training
  - b. “SAFE” Acronym Theme
- B. Introduction to Hazmat at the FRA Level
  - a. OSHA Hazwoper Regulation
  - b. OSHA Hazwoper Levels
  - c. Hazmat Definitions, Terms and Acronyms
  - d. DOT Hazmat Classes and Examples
  - e. Multiple Hazards
  - f. Hazmat Commons and Typical
  - g. Hazmat Tactical Operations Acronym
- C. Hazardous Materials Recognition and Safety
  - a. Recognizing Hazmat Incidents
  - b. Hazmat Recognition Clues
  - c. Hazmat Outward Warning Signs
  - d. Hazmat Locations and Occupancies
  - e. Hazmat Containers and Packages
  - f. US DOT Placards and Labels
  - g. Special Markings
  - h. Global Harmonization System (GHS)
  - i. Shipping Papers and SDSs
  - j. First Operational Thought
- D. Safety, Isolation and Notifications
  - a. Definition of “First Responder” & “SIN”
  - b. The First Operational Thought—Safety
  - c. The First Operational Priority—Isolation
  - d. The First Operational Alert—Notifications
- E. Basic Command, IDHA and Action Planning
  - a. Basics of Incident Command
  - b. Identification and Hazard Assessment Process
  - c. Identification Sources
  - d. Assessment Sources
  - e. DOT Emergency Response Guidebook
  - f. Container System Stress and Behavior
  - g. IDHA Complications
- F. Putting It All Together
  - a. Know Your Limitations
  - b. First Responder Exercise
  - c. Written Examination

## 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**

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

Lecture, Demonstration, Discussion and Multi-media.

**VIII. Representative Texts and Supplies**

First Responder Awareness Participants Notebook”, CSTI-2022 edition

DOT Emergency Response Guidebook(ERG) 2021 or latest edition

All materials will be provided by the instructor.

**IX. Discipline/s Assignment**

Fire Technology

**X. Course Status**

Course Status: Active

Original Approval Date: 10/04/2022

Board Approval Date: 11/8/2022

Course Originator:

Revised By:

Curriculum/Academic Standards Committee Revision Date: