

Lassen Community College Course Outline

FS 72 HazMat First Responder Operations

1.0 Unit

I. Catalog Description

This course provides information about basic strategies to safeguard health and safety of emergency responders when their work involves potential exposure to hazardous materials. Topics include: detection of the presence of hazardous materials, hazardous materials references and safe work practices around potentially hazardous materials. This course may be taken as necessary to maintain certification. Additional Fees apply. -A \$5.00 materials fee for student manual flash drive will be collected at the time of registration. This course meets or exceeds the requirements for Cal Fire FF1 Module 1B.

Recommended Preparation: Successful completion of ENGL105 or equivalent multiple measures placement.

Does not Transfer to CSU/UC

24 Hours Lecture, 48 Hours Outside Work: 72 Total Student Learning Hours

Scheduled: Fall, Spring

II. Coding Information

Repeatability: Not repeatable

Open Entry/Open Exit: N/A

Grading Option: Graded

Credit Type: Credit - Degree Applicable

TOP Code: 2133.00

III. Course Objectives

A. Course Student Learning Outcomes

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

1. Explain the hazardous material fires responder's role during emergency operations.
2. Explain the procedural steps taken by the hazardous materials first responder prior to and during emergency incident operations.
3. Evaluate a hazardous materials incident response with respect to safety, objectives, personnel and equipment

B. Course Objectives

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

1. Explain the history leading to the development of current laws concerning hazardous materials and public employee safety.
2. Explain the hazardous material fires responder's role during emergency operations.
3. Explain the procedural steps taken by the hazardous materials first responder prior to and during emergency incident operations.
4. Evaluate a hazardous materials incident response with respect to safety, objectives, personnel and equipment.

IV. Course Content

- A. Legal Requirements
- B. Health and Safety Attitudes
- C. Safety
- D. Types, Nature and Physiological Effects of Hazardous Materials
- E. Common Hazardous Material Incidents
- F. Identification of Hazardous Materials
- G. Storage of Hazardous Materials
- H. Personnel Contamination
- I. Protective Equipment and Decontamination

V. Assignments

A. Appropriate Readings

Assigned handout material.

B. Writing Assignments

Written quizzes, exams, and scenario exercises.

C. Expected Outside Assignments

Assigned readings and exam preparation.

D. Specific Assignments that Demonstrate Critical Thinking

Analysis of field exercise scenario as an emergency response team member.

VI. Methods of Evaluation

Traditional Evaluation

Mixed format exams.

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 FRO Student Material Notebook”, CSTI-2022
 Haz Mat Emergency Response Guide, 2022, Available online
 Materials provided by instructor

IX. Discipline/s Assignment

Fire Technology

X. Course Status

Current Status: Active

Original Approval Date: March 30, 1995

Revised By: Dan Weaver

Curriculum/Academic Standards Committee Revision Date: 02/07/2023