

# Lassen Community College Course Outline

## FS-72B HazMat First Responder- Decontamination

0.5 Units

### I. Catalog Description

This course is designed for personnel previously trained to the Haz Mat First Responder Operations (FRO) level, to conduct responder decontamination as part of an organized response to incidents such as those involving hazardous materials (Haz Mat) releases or weapons of mass destruction. A supplemental \$10.00 CSTI certification fee will be charged and will be collected at the time of registration.

The intent of this course is to train FRO's to perform responder decontamination for any type of chemical spill including weapons of mass destruction, and in any level of chemical protection under the direct supervision of a Decontamination Leader. The training focuses on using equipment and personnel on-hand, in support of local hazmat team members, during a hazmat incident in the jurisdiction where the training takes place. Because each emergency situation is different and requires guidelines that are flexible and can be adapted to the situation at hand; this training is intended to teach guidelines rather than specific standards for implementing the decontamination process.

This course is certified by the California Specialized Training Institute and students successfully completing the class will be issued a CSTI certificate. This course may be repeated when needed to meet legally mandated training requirements.

**Prerequisite:** FS-72 Hazardous Materials First Responder Operations

Does Not Transfer to CSU/UC

8.5 Hours Lecture, 17 outside class hours, 25.5 total 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. Identify first responder personnel and operational roles needed to conduct responder decontamination
2. Describe the equipment and procedures needed to conduct responder decontamination.
3. Demonstrate the ability to safely perform responder decontamination.

#### B. Course Objectives

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

1. Identify first responder personnel and operational roles needed to conduct responder decontamination

2. Describe the equipment and procedures needed to conduct responder decontamination.
3. Demonstrate the ability to safely perform responder decontamination.

#### **IV. Course Content**

##### Basics of Responder Decontamination:

- Definition of Decontamination
- Methods and Types of Decontamination
- Selecting a Method of Decontamination
- Hazardous Materials Zones
- Decontamination Equipment
- General Decontamination Guidance
  - Managing the Decontamination Process
  - The Decontamination Unit or Team
  - Performing Responder Decontamination

##### PPE and Medical Considerations:

- Personal Protective Equipment (PPE)
  - Components of Level-B Chemical Protective Clothing
- Medical Considerations of Chemical Protective Clothing
  - Stresses of Encapsulating Garments
  - Physiological Factors
  - Effects of Cold Exposure

Heat Related Illnesses

Medical Monitoring

##### Review and Exercise Briefing:

Pre-Exercise Review

PPE

Exercise Briefing

##### Responder Decontamination Exercise:

Mock Decontamination Activity

##### Exercise Debrief and Closing:

Lessons Learned

Scenario Review

Closing

#### **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 decontamination 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**

1. First Responder Operations Student Material Notebook”, CSTI-2022
2. Emergency Response Guide, 2022
3. CSTI approved 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: 10/20/2020

Course Originator: Dan Weaver

Board Approval: 11/10/2020

Chancellor’s Office Approval: 11/19/2020

Revised By: Dan Weaver

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