

**ALLAN HANCOCK COLLEGE
COURSE OUTLINE**

DEPARTMENT: FIRE, SAFETY & EMS

PREFIX & NO.: ENVT 156

CATALOG TITLE: First Response Operational

SCHEDULE TITLE: FRO 16-HR

UNITS: 1

TOTAL LECTURE HOURS: 16

TOTAL NUMBER OF WEEKS: (if other than 16) 2

GRADING OPTION: Credit/No Credit Option

CATALOG DESCRIPTION

Designed to prepare the student to respond to a hazardous materials incident in a safe, defensive, and competent manner within the existing resources and to prevent exposures to nearby persons, property and environments. Meets OSHA requirements under Title 8 CCR 5192 and 29 CFR 1910.120.

SCHEDULE DESCRIPTION

Designed to prepare the student to respond to a hazardous materials incident in a safe, defensive, and competent manner within the existing resources. Meets OSHA requirements under Title 8 CCR 5192 and 29 CFR 1910.120.

COURSE GOALS To encourage and enable students to:

1. recognize properties and characteristics of hazardous materials.
2. understand the problems a hazardous materials incident poses.
3. comprehend the actions necessary to safety function at a hazardous materials incident.

INSTRUCTIONAL OBJECTIVES At the end of the course, the student will demonstrate the ability to:

1. list the categories of hazardous materials.
2. explain the steps and procedures for identifying different hazardous materials.
3. analyze a given scenario and list the associated safety concerns.
4. describe the procedures necessary to safely handle a typical hazardous materials incident.
5. analyze a case study and role-play the scenario until the scene is safely secure

COURSE OUTLINE

	<u>HOURS</u>
1. Introduction to Hazardous Materials	1
2. Basic hazardous materials recognition and safety	2
3. Safety, Isolation, and Notification (SIN)	1
4. Containment and protective actions	2
5. Command action plans	2
6. Protective equipment, decon, disposal and documentation	1
7. Specific planning and agency coordination	2
8. Scene management	2
9. Safety and isolation	2
10. Legal aspects and the media	1

APPROPRIATE READINGS (other than textbook)

Hazardous materials for the First Responder, IFSTA

ASSIGNMENTS

Various short writing assignments

Sample Writing Assignment

Prepare a hazard and risk analysis matrix for a given hazardous material. Be sure to note the primary routes of entry associated with the hazardous substance.

EVALUATION

1. Various short writing assignments
2. Final exam consisting of multiple choice questions

Sample Question:

What hazard materials classification is indicated with the number 5?

- A. Flammable Liquids
- B. Oxidizers
- C. Explosives
- D. Radio Active

TEXTS AND SUPPLIES

Adopted Text: CSTI First responder Operational, student manual. Office of Emergency Services Emergency Response Guidebook

Other Materials: Instructor prepared materials