

**ALLAN HANCOCK COLLEGE
COURSE OUTLINE**

DEPARTMENT: FIRE, SAFETY & EMS
PREFIX & NO.: ENVT 150
CATALOG TITLE: Hazardous Materials General Site Worker – 40 HR
SCHEDULE TITLE: HM Gen Site Worker — HR
UNITS: 2.0
TOTAL LECTURE HOURS: 20
TOTAL LAB HOURS: 20
TOTAL NUMBER OF WEEKS: (if other than 16) 3
GRADING OPTION: Letter Grade Only

CATALOG DESCRIPTION

Designed to facilitate employer compliance with mandated federal and/or state HAZWOPER General Site Worker training requirements.

SCHEDULE DESCRIPTION

Designed to facilitate employer compliance with mandated federal and/or state HAZWOPER General Site Worker training requirements.

COURSE GOALS To encourage and enable students to:

1. understand regulatory compliance standards associated with occupational safety and work at hazardous waste sites.
2. comprehend the application of technical and manipulative skills associated chemistry
3. learn the various elements and issues addresses in a written site safety plan

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

1. describe the common job site personnel organizational structures, positions, duties, and responsibilities
2. use the proper technical and manipulative skills associated with the control and disposal of hazardous waste.
3. define the location and content of applicable hazwoper occupational safety and health regulations
4. use the proper technical and manipulative skills associated with protective equipment, monitoring, standard operating procedures, emergency response, and decontamination.

COURSE OUTLINE

	<u>HOURS</u>
1. Introduction and Course Overview	1
2. Fundamental Regulatory Compliance	3
3. Update OSHA Compliance Regulations	4
4. Fundamental Toxicology	4
5. Fundamental Personal Protection	8
6. Fundamental Site Safety Plan Interpretation	4
7. Engineering Controls	3

8. Fundamental Medical Surveillance	1
9. Decontamination Technology	4
10. Introduction to Hazardous Waste Site Emergency Response	6
11. Course Review and Final Written Examination	2

APPROPRIATE READINGS (other than textbook)

State and Federal Occupational Safety and Health Hazardous Waste Operations and Emergency Response Regulations

ASSIGNMENTS

1. Given the geographical location hazardous waste site, select the appropriate governing regulatory authority.
2. Given theoretical data regarding chemical properties and toxicology data, define and justify the standard operating procedure and engineering controls necessary to facilitate a maximum level of employee occupational safety and health.
3. Given a written site safety plan for a theoretical hazardous waste site, prioritize and justify in writing the various levels of personal protective equipment necessary to participate in waste site occupational activities.

EVALUATION

1. Final written exam
2. Evaluation of manipulative skills demonstrations
3. Class participation
4. Attendance

TEXTS AND SUPPLIES

Adopted Text: The Federal Occupational Safety & Health Guidance Manual for Hazardous Waste Site Activities

Other Materials: Instructor prepared materials