

**ALLAN HANCOCK COLLEGE
 COURSE OUTLINE**

DISCIPLINE: Environmental Technology

Please refer to the disciplines list located in the Minimum Qualifications Handbook developed by the Academic Senate of California Community Colleges.

DEPARTMENT: PUBLIC SAFETY

PREFIX & NUMBER: ENVT 450

CATALOG COURSE TITLE: HAZWOPER Refresher (8 Hr.)

BANNER COURSE TITLE: HAZWOPER REFRESHER (8 HR.)

UNITS: 0.5

TOTAL NUMBER OF CONTACT HOURS: 8.0 – 9.0

	Hours per week (based on 16 weeks)	Total Hours per Term (range based on 16-18 weeks)	Units
Lecture:	0.5	8.0 – 9.0	0.5
Lab:	0.0	0.0 - 0	0.0
Total Contact Hours:	0.5	8.0 – 9.0	0.5

GRADING OPTION: Letter Grade or Pass/No Pass Option

PREREQUISITE(S): None

COREQUISITE(S): None

ADVISORY(IES): None

LIMITATION ON ENROLLMENT: *(Some common limitations on enrollment are: a requirement to pass a tryout prior to being enrolled in an athletic course or team, or physical requirement where the student's safety would be compromised by an inability to meet specific physical capabilities.)*

None

PREREQUISITE SKILLS *(The course outline must document entry skills without which student success is highly unlikely. Must be included if the course has a prerequisite.)*

Upon entering this course, the student should be able to:

None (no prerequisite for this course)

ADVISORY SKILLS *(For advisories, the course outline must document entry skills which are either necessary but are likely to be obtained by other means or, while not necessary, would broaden or enhance student learning but are not fundamental to student success.)*

Upon entering this course, the advisory skills are to:

None (no advisory for this course)

CATALOG DESCRIPTION

The catalog description could begin with a short paragraph (course description) that provides a well-developed overview of topics covered. Some suggested language is:

- Identification of the target audience depending on whether the course is required for the major, degree or certificate, transfer, etc., that will assist students in their educational planning.
- Prerequisites, corequisites, advisories and/or limitations on enrollment.
- Designation of course repeatability.
- Lecture/lab/activity/studio hours and units.
- Field trip potential or other requirements that may impose a logistical or fiscal burden upon the students should be included along with an option for alternatives.

Designed to facilitate employer compliance, with regulation (29CFR1910.1209(e)(8), 8CCR5192(e)(8)) requirements, for annual hazardous waste operations and emergency response general site worker training.

COURSE CONTENT (Indicate all major topics to be covered and approximate number of weeks for each, based on 16 weeks. If the course works on hours, rather than weeks, include the number of hours to cover each of the topics for the course.)

	<u>HOURS</u>
Organizational Structure: Roles and Responsibility for Safety and Health	0.5 Hr.
Safety, Health, and Other Workplace Hazards Identification, Hazard Communication Standard	1.5 Hr.
Personal Protective Equipment	1.0 Hr.
Work Practices to Minimize Risks from Hazards	1.0 Hr.
Safe Use of Engineering Controls and Equipment	1.0 Hr.
Medical Surveillance, Signs and Symptoms of Exposure, Exposure Thresholds	1.5 Hr.
Site Specific Health and Safety Plans	1.0 Hr.
Written Exam	0.5 Hr.

COURSE OBJECTIVES:

At the end of the course, the student will be able to:

1. Describe personnel organizational structures, job site positions, duties, and responsibilities.
2. Recognize and describe safety, health, and other worksite hazards.
3. Describe appropriate technical and manipulative skills associated with engineering controls and equipment on a worksite.
4. Recognize medical surveillance requirements including signs and symptoms of overexposure to hazards.
5. Describe the elements of a site specific health and safety plan.

METHODS OF INSTRUCTION (Types and/or methods of instruction are required. The course outline may show one or more teaching patterns. However, instructors have the freedom to choose how they will achieve course objectives.)

Methods of Instruction
Lecture
Group Exercises/Activities

OUTSIDE ASSIGNMENTS (*Assignment examples, if provided, should reflect coverage of all objectives and course content. Assignments can include supplemental reading materials beyond the required texts. The initiator should give the basis for grading, and relate assignments to skills and abilities listed in the objectives.*)

Outside Assignments

N/A

METHODS OF EVALUATION (*List or describe the types and/or methods of evaluation. The course outline should describe the basis for grading or other evaluations, and relate the methods of evaluation to skills and abilities in the course objectives.*).

Methods of Evaluation

Written exam – Passing score of 70% or higher. All Students must participate in group exercises/activities.
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REQUIRED TEXTS AND OTHER INSTRUCTIONAL MATERIALS

- *This field includes the text (and when possible, with date of publication) and other instructional materials.*
- *Text and other learning materials may have external requirements due to articulation requirements or certification requirements found in many programs.*
- *This section only contains that which is required for the student to be able to effectively participate in and successfully pass the course.*
- *Assignments specific to required reading and instructional materials should be given in the form of examples, where possible.*

Adopted Text: N/A

Supplemental Readings and/or Other Materials:

Current U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration – Emergency response Guidebook. California Code of Regulations – Title 8. National Institute of Occupational Safety and Health – Pocket Guide to Chemical Hazards.
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STUDENT LEARNING OUTCOMES

In this section, the initiator is to list the current course Student Learning Outcomes (SLOs). The outcomes may be revised as part of the program review annual update process, but is not done using this form. For new courses, the SLOs must be defined and need to be mapped to the program and institutional learning outcomes. Please contact Institutional Research and Planning (IRP) for assistance with new or modified SLOs.

1. Knowledge of procedures and processes as mandated by 29CFR1910.0120 and 8CCR5192.
2. Technical and manipulative skills associated with personal protective equipment, control and disposal of hazardous materials/waste, decontamination, and emergency response.