

**ALLAN HANCOCK COLLEGE
COURSE OUTLINE**

DEPARTMENT: FIRE, SAFETY & EMS
PREFIX & NO.: ENVT 159
CATALOG TITLE: Hazardous Materials and Hazardous Waste Permitting
SCHEDULE TITLE: Hazardous Materials/Waste Permitting
UNITS: 1
TOTAL LECTURE HOURS: 16
TOTAL NUMBER OF WEEKS: (if other than 16) 3
GRADING OPTION: Credit/No Credit Option

CATALOG DESCRIPTION

Examination of laws, regulations and policies at federal, state, and local levels covering the proper management of hazardous substances from generation to disposal. Includes in-depth examination of states hazardous waste control law requirements on Certified Unified Program Agency (CUPA) regulations for facilities permitting and site management.

SCHEDULE DESCRIPTION

Examination of laws, regulations and policies at federal, state, and local levels covering the proper management of hazardous substances.

COURSE GOALS To encourage and enable students to:

1. understand the origin and process of the certified unified program agency (CUPA).
2. recognize and identify the different types of hazardous material programs requiring permits.
3. become familiar with steps necessary to complete the hazardous material permit process.

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

1. identify what hazardous materials at a business/facility require permits from the CUPA.
2. distinguish between the different types of regulatory requirements and to write the appropriate applications.
3. design basic emergency response and training plans meeting state regulations.
4. research state and federal regulations.

COURSE OUTLINE

HOURS

- | | |
|---|---|
| 1. CUPA overview and introduction to permit process | 1 |
| 2. Business plan regulations and forms | 4 |
| 3. California "Accidental Release Plan" requirements | 1 |
| 4. Basic of business plan writing | 1 |
| 5. Hazardous waste "generator" regulations an permit requirements | 1 |

6. Hazardous waste “generator” manifesting and disposal	1
7. Tiered permits	1
8. Hazardous waste storage and treatment	1
9. Hazardous waste contingency plan	1
10. Underground Storage Tank (UST) regulations and permit requirements	1
11. Applications for construction, removal, modification, and temporary closure	1
12. Monitoring systems	1
13. Monitoring plans	1

APPROPRIATE READINGS (other than textbook)

1. California Code of Regulations, Title 27
2. California Chamber of Commerce, Hazardous Waste Management, We’re Helping You Comply”

ASSIGNMENTS

1. Various short writing assignments
2. Reading and study guides.

Sample Writing Assignment

Using information for a Material Safety Data Sheet (MSDS), prepare a written business plan.

EVALUATION

1. Writing assignments
2. In-class participation
3. Final exam consisting of multiple choice, short answer, and short essay questions.

Sample Essay Question

Describe the basic permitting process for UST and the annual reporting requirements of the permit process.

TEXTS AND SUPPLIES

Adopted Text: None

Other Materials: None