

**ALLAN HANCOCK COLLEGE
COURSE OUTLINE**

DEPARTMENT: FIRE, SAFETY & EMS

PREFIX & NO.: ENVT 153

CATALOG TITLE: Industrial Safety

SCHEDULE TITLE: Industrial Safety

UNITS: 1

TOTAL LECTURE HOURS: 16

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

GRADING OPTION: Credit/No Credit Option

CATALOG DESCRIPTION

Provides the skills necessary to recognize and prevent health hazards in the workplace. Topics include industrial ventilation, electrical safety lock-out-tag-out, bloodborne pathogens, powered industrial trucks, and accidental "root cause" investigation. Overviews of OSHA "Injury and Illness Prevention Program" (IIPP), "Hazard Communication Program", hazard assessment requirements, are presented.

SCHEDULE DESCRIPTION

Recognition and prevention of workplace health hazards.

COURSE GOALS To encourage and enable students to:

1. understand specific industrial safety programs.
2. understand which programs are required to attain regulatory compliance.

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

1. evaluate the various parameters of an integrated industrial safety program.
2. distinguish between specific individual safety programs and integrated industrial safety program.
3. integrate specific regulatory requirements into an industrial safety program.

COURSE OUTLINE

	<u>HOURS</u>
1. Introduction to industrial safety program	2
2. OSHA's Injury & Illness Prevention Program Components	2
3. Hazard communication program	2
4. Hazard assessment requirements	1
5. Electrical safety "lock-out, tag-out"	1
6. Life safety	1
7. Powered industrial trucks	1
8. Hazardous materials programs	2
9. Bloodborne pathogens	1
10. Industrial ventilation	1
11. Accident "root cause" investigation	2

APPROPRIATE READINGS (other than textbook)

1. Cal OSHA guide to California's workplace safety and health program

2. OSHA regulations

ASSIGNMENTS

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

Sample Writing Assignment:

Outline the requirements of the SB198 Injury & Illness Prevention program.

EVALUATION

1. Various short writing assignments.
2. Final exam consisting of multiple choice, short answer, and short essay questions.

Sample Essay Question

List and briefly explain the required components of a “Hazard Communication Program”.

TEXTS AND SUPPLIES

Adopted Text: None

Other Materials: None