

SYLLABUS
PART I
EDISON COMMUNITY COLLEGE
IMT 112S ENVIRONMENTAL HEALTH and SAFETY
3 CREDIT HOURS

COURSE DESCRIPTION

Overview of plant safety and industrial hygiene requirements and practices in American business from the perspective of on- the-job requirements for supervisors/employees. Federal and state occupational safety and health regulations are reviewed and techniques to improve the work place are explained.

COURSE GOALS

The student will:

1. Interpret safety and health as safety management requirements.
2. Defend the involvement of employees in the safety and health arenas.
3. Recognize and describe the accident investigation techniques to prevent future mishaps.
4. Recognize and assess how safety inspections and observations fit into a successful safety and health program.
5. Recognize what constitutes a health hazard in the work place and sources of assistance to control the hazard.
6. Explain use of personal protective equipment.
7. Describe the role of ergonomic designed work in safety and health.
8. Identify correct handling and storage of materials.
9. Describe and classify the role of safety and health procedures and rules in the promotion of a safe work environment.
10. Recognize the important federal and state regulations affecting the work place.

CORE VALUES

The Core Values are a set of principles which guide in creating educational programs and environments at Edison. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

TOPIC OUTLINE

1. Safety Management
2. Communications
3. Human Relations
4. Employee Safety Training
5. Employee Involvement
6. Safety Inspections
7. Accident Investigations
8. Industrial Hygiene
9. Personal Protective Equipment
10. Ergonomics
11. Machine Safeguarding
12. Hand Tools and Portable Power Tools
13. Material Handling and Storage
14. Electrical Safety
15. Fire Safety

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- 16. Hazard Communication
- 17. Environmental Management