

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

ENVIRONMENTAL HEALTH AND SAFETY MANAGEMENT 205 – SAFETY AND RISK MANAGEMENT ADMINISTRATION

4 hours lecture, 4 units

Catalog Description

Study of how accidents and incidents occur in the occupational health and safety environment. Instruction in the establishment and maintenance of safety programs and comprehensive analysis of occupational health programs with an emphasis on safety program management. Topics include: planning approaches to safety and health management used by international, national and local regulatory agencies, insurance companies, and professional societies; risk management; worker compensation; and employee accommodations in the workplace. Students will develop plans related to safety and risk management.

Prerequisite

“C” grade or higher or “Pass” in EHSM 100 or equivalent or concurrent enrollment

Entrance Skills

Without the following skills, competencies and/or knowledge, students entering this course will be highly unlikely to succeed:

- 1) Interpret laws and regulations pertaining to environmental, health and safety management and related programs.
- 2) Distinguish between EHSM agencies that regulate environmental management and OSH programs.
- 3) Recognize and apply appropriate terms common to the environmental health and safety industry.
- 4) Understand best management practices (BMP) and safe operation procedures (SOP) used in the EHSM industry.

Course Content

- 1) Safety and Risk Management Overview
 - a. Terminology
 - b. Programs
 - c. Employee rights
 - d. Employer obligations
- 2) Overview of Safety and Risk Management Programs
 - a. Community right to know
 - b. SB198
 - c. Workman Compensation programs
 - d. ISO14000
 - e. ADA
 - f. GISO standards
 - g. Air quality
- 3) Risk Management Systems
 - a. Regulations and standards
 - b. Systems components/terminology
 - c. System design

- d. Implementation
- e. System evaluation
- f. Workers Compensation
- 4) Sources of Assistance and Information
 - a. Regulations and standards
 - b. Agencies/departments/organizations
 - 1. Federal
 - 2. State
 - 3. Insurance
 - 4. Cal/OSHA
 - 5. Private organizations
- 5) Accident and Injury Investigations
 - a. Root cause analysis
 - b. Determining why accidents occur

Course Objectives

Students will be able to:

- 1) Research and interpret federal, state and local laws and regulations pertaining to safety management.
- 2) Define and develop a written safety management training program.
- 3) Distinguish appropriate terms common to the safety and risk management field.
- 4) Compare and contrast federal, state and local safety and risk management laws.
- 5) Describe the functions and services of agencies that regulate safety and risk management requirements and criteria.
- 6) Apply safety and risk management practices and procedures to specific field-based situations.
- 7) Identify safety and risk management requirements in order to meet regulatory program and best management practices and compliance guidelines.

Method of Evaluation

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.

- 1) Problem-solving exercises and field situations which measure students' ability to analyze occupational health programs for safety program management, develop and implement plans related to safety and risk management, and develop plans for safety training programs.
- 2) Exams and quizzes which measure students' ability to identify planning approaches to safety and health management used by international, national and local regulatory agencies, insurance companies, and professional societies.
- 3) Exams, quizzes and/or exercises which measure students' ability to explain risk management, worker compensation, and employee accommodations in the workplace.

Special Materials Required of Students

None

Minimum Instructional Facilities

Smart classroom

Method of Instruction

Lecture and discussion

Out-of-Class Assignments

- 1) Reading assignments
- 2) Writing assignments
- 3) Projects
- 4) Reports

Texts and References

- 1) Required (representative example): Standard industry materials to be provided
- 2) Supplemental: None

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Research and interpret federal, state and local laws and regulations pertaining to safety and risk management.
- 2) Differentiate between appropriate state and federal terms and standards common to safety and risk management.
- 3) Identify safety and risk management requirements in order to meet regulatory program and best management practices and compliance guidelines.