

Course Outline for OSH 50
INTRO OCCUPATIONAL SAFETY/HLTH
Effective: Fall 2018

I. CATALOG DESCRIPTION:

OSH 50 — INTRO OCCUPATIONAL SAFETY/HLTH — 3.00 units

An introduction to the principles and techniques of occupational safety and health management. Includes historical evolution, professional make-up and responsibilities of the occupational and safety practitioners, and analysis and implementation of a typical safety program.

3.00 Units Lecture

Grading Methods:

Letter Grade

Discipline:

- Industrial Safety

	MIN
Lecture Hours:	54.00
Expected Outside of Class Hours:	108.00
Total Hours:	162.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- A. Discuss the historical development of occupational safety in the United States;
- B. Produce an injury and illness prevention program similar to the models supplied by both Federal OSHA and Cal/OSHA and evaluate the program in terms of this model;
- C. Use basic safety management techniques, such as hazards analysis and control, training, accident analysis, record-keeping and reporting, employee motivational methods, and safety performance analysis;
- D. Describe the various occupational safety and health disciplines and the qualifications of those who specialize in them.

V. CONTENT:

- A. Historical introduction tracing society's growing concern for occupational safety and health
- B. Safety program organization and function within an organization
- C. Outline and discussion of individual safety disciplines, including specific technical functions and responsibilities
- D. Accident investigation techniques, analysis, cost, and record-keeping requirements
- E. Occupational safety and health training—needs assessment, objectives, development, delivery and evaluation
- F. Risk management and loss control, including risk assessment and control methods
- G. Workers' Compensation, including injury/illness case management techniques
- H. Review of a typical safety and health program found in industry
 - I. Methods used to implement and maintain an occupational safety and health program
 - J. Interpretation and application of current events in occupational safety and health

VI. METHODS OF INSTRUCTION:

- A. **Discussion** - key topics related to occupational safety and health
- B. Group problem solving
- C. **Lecture** - by instructor and guest speakers
- D. **Audio-visual Activity** - Selected topics

VII. TYPICAL ASSIGNMENTS:

- A. Prepare and present a safety-related presentation to the class.
- B. Attend class field trip and submit a 1-2 page written summary of observed safety and health conditions.
- C. Participate in weekly discussions of safety and health related current events.
- D. Participate in classroom projects; complete JSA (Job Safety Analysis) after analyzing handout material.
- E. Author a written paper supporting your position on a safety tenet.

VIII. EVALUATION:

A. Methods

1. Exams/Tests
2. Quizzes
3. Research Projects
4. Papers
5. Oral Presentation
6. Class Participation
7. Home Work

B. Frequency

1. One term paper/oral presentation based on research project
2. Minimum of 4 quizzes
3. Midterm examination
4. Final examination
5. Participation in weekly classes
6. Weekly homework assignments

IX. TYPICAL TEXTS:

1. Kalloway, Kevin. *Management of Occupational Health and Safety*. 7th ed., Nelson Thompson Learning, 2016.
2. Reese, Charles. *Occupational Health and Safety Management: A Practical Approach*. 3rd ed., CRC Press, 2015.
3. Spellman, Frank. *Safety and Environmental Management*. 3rd ed., Bernan Press, 2015.
4. Friend, Mark, and James Kohn. *Fundamentals of Occupational Safety & Health*. 6th ed., Bernan Press, 2014.
5. Handouts

X. OTHER MATERIALS REQUIRED OF STUDENTS: