

Revised by: D. Thornsberry  
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Text update: September 6, 2016  
C & G Ed approval: November 14, 2016  
Board approval: December 14, 2016  
Semester Effective: Fall 2017

Industrial Education Safety (IES) 2061 Occupational Safety and Health Standards for General Industry/OSHA 30 hour General Industry Training Program (3 Units) CSU  
[formerly Industrial Education Safety 59A]

Prerequisite: Completion of a minimum of 12 units in IES courses. Specifically, IES 1500 Occupational Health and Safety Compliance, IES 1552 Respiratory Protection for Hazardous Materials Handling and Permit Required Confined Spaces, IES 1532 Industrial Hygiene, and ENER 1503 Environmental Awareness and Compliance

Total Hours: 48 hours lecture

Catalog Description: This course is an overview of Federal and California Occupational Safety and Health Administration (OSHA) policies, procedures, standards, and general industry safety and health principles. Topics include scope and application of the Federal and California OSHA standards. Emphasis is on the hazards routinely encountered by workers in a broad spectrum of industries.

30-Hour General Industry Outreach Training Program - Designated Training Topics. This course includes a 30-hour General Industry Outreach Training Program. It is intended to provide a variety of training to workers with some safety responsibility. Training emphasizes hazard identification, avoidance, control and prevention, not OSHA standards. Instructional time for both courses must be a minimum of 48 hours. Students successfully completing this course will receive an OSHA 30 card.

Type of Class/Course: Degree Credit

Required Textbooks:

*Essentials of Safety: Cal/OSHA General Industry Training and Reference Guide* vol. 1 & 2, with *Trainee Workbook for Ca/Osha General Industry*, Mancomm, 2014. Recommended Text:

*29 CFR 1910 OSHA General Industry Regulations*. Mancomm, 2012.

*State of California General Industry & Electrical Safety Orders*, Mancomm, 2013.

Additional Required Materials: None

Course Objectives:

By the end of the course, a successful student will be able to

1. understand general industry rights for workers and employer responsibilities.
2. to file a complaint as well as how to identify, abate, avoid and prevent job related hazards.
3. locate and apply OSHA Safety and Health Standards, Policies and Procedures,
4. utilize OSHA standards and regulations to supplement an on-going safety and health program,

5. identify common violations of OSHA standards and propose abatement actions, and
6. describe appropriate abatement procedures for selected safety and health hazards.

Course Scope and Content: (Lecture)

OSHA Standards 18 hours

Unit I Introduction

- A. Inspections and Citations Part 1903
- B. Safety and Health Programs
- C. Introduction to the OSHA Standards
- D. Cal-OSHA Equivalents and Differences

Unit II Standards I

- A. Walking and Working Surfaces Subpart D
- B. Electrical Subpart S
- C. Personal Protective Equipment Subpart I
- D. Welding Subpart Q
- E. Cal-OSHA Equivalents and Differences

Unit III Standards II

- A. Introduction to Industrial Hygiene
- B. Hazard Communication Subpart H
- C. Exit Routes and Emergency Action Plans Subpart E
- D. Materials Handling Subpart N
- E. Cal-OSHA Equivalents and Differences

Unit IV Standards III

- A. Machine Guarding Subpart O
- B. Lockout/Tagout Subpart O and S
- C. Permit-Required Confined Spaces Subpart CC
- D. Hazardous Materials Subpart Z
- E. Recordkeeping Subpart D and E
- F. Cal-OSHA Equivalents and Differences

OSHA 30 for General Industry

The topic requirements for OSHA 30 are as follows:

1. Mandatory - 13 hours
  - a. Introduction to OSHA - 2 Hours. See above 10-hour section for additional information.
  - b. Managing Safety and Health - 2 hours. May include Injury and Illness Prevention Programs, job site inspections, accident prevention programs, management commitment and employee involvement, worksite analysis, hazard prevention and control, accident 4 investigations, how to conduct safety meetings, and supervisory communication.
  - c. Walking and Working Surfaces, including fall protection - 1 hour.
  - d. Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection - 2 hours.

- e. Electrical - 2 hours.
  - f. Personal Protective Equipment (PPE) - 1 hour.
  - g. Materials Handling - 2 hours.
  - h. Hazard Communication - 1 hour.
2. Elective - 10 hours. Must present at least 10 hours of training on the following topics. At least 5 of the following topics must be presented. The minimum length of any topic is one-half hour.
- a. Hazardous Materials (Flammable and Combustible Liquids, Spray Finishing, Compressed Gases, Dipping and Coating Operations)
  - b. Permit-Required Confined Spaces
  - c. Lockout / Tagout
  - d. Machine Guarding
  - e. Welding, Cutting, and Brazing
  - f. Introduction to Industrial Hygiene
  - g. Bloodborne Pathogens
  - h. Ergonomics
  - i. Fall Protection
  - j. Safety and Health Programs
  - k. Powered Industrial Vehicles
3. 7 hours of additional optional topics. Teach other general industry hazards or policies and/or expand on the mandatory or elective topics. The minimum length of any topic is one-half hour.
- a. This will be at the discretion of the instructor, depending upon the audience, but will most likely expand on the elective topics.

#### Learning Activities Required Outside of Class: 6 hours

The students in this class will spend a minimum of 6 hours per week outside of the regular class time doing the following:

1. Studying assigned text, handout materials, and class notes
2. Reviewing and preparing for quizzes and examinations
3. Reviewing case studies
4. Completing written assignments and projects

#### Methods of Instruction:

1. Lecture
2. In-class workshops
3. Activities
4. Demonstrations
5. Case Studies

#### Methods of Evaluation:

1. Written final exam (OSHA 30)

2. Written final exam (General Industry Standards)
3. Presentation
4. Participation
5. Quizzes
6. Role Playing
7. Group Projects

Supplemental Data:

TOP Code:	095670: Indus Occupational Safe Health
SAM Priority Code:	C: Clearly Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	I: Program Applicable
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	NO
Taft College General Education:	NONE