

BI 0002 - OSHA 30-HOUR CONSTRUCTION SAFETY TRAINING

Catalog Description

Hours: 36 lecture

Description: Covers specific OSHA requirements as they apply to the construction industry and teaches safety awareness to help recognize and reduce the risks of job site hazards. This course is an orientation and covers safety and health hazards workers may face on construction work sites with emphasis on hazard identification, avoidance, control and prevention and is intended for supervisors or workers who have some safety responsibility. Upon successful completion, 30 hour OSHA card issued by instructor. (not transferable)

Course Student Learning Outcomes

- CSLO #1: Outline worker rights and employer responsibilities under OSHA.
- CSLO #2: Identify and protect against major hazards by selecting appropriate PPE (Personal Protective Equipment) and lifesaving equipment.
- CSLO #3: Explain reasons for an incident investigation and identify future preventative measures that may result.

Effective Term

Fall 2020

Course Type

Credit - Degree-applicable

Contact Hours

36

Outside of Class Hours

72

Total Student Learning Hours

108

Course Objectives

Lecture Objective:

1. Explain why OSHA is important to workers.
2. Explain worker rights under OSHA.
3. Outline employer responsibilities under OSHA.
4. Explain the use of OSHA standards.
5. Explain how OSHA inspections are conducted.
6. Outline helpful worker safety and health resources.
7. Identify major hazards.
8. Describe types of hazards.
9. Explain how to protect from hazards.
10. Outline employer requirements to protect workers from hazards.
11. Recognize and explain the role of the workforce in improving the current culture.

12. Describe the role of management in improving the current culture.
13. Identify employer requirements for providing a safety and health program that effectively reduces and prevents employee injury, illness, and fatality.
14. Identify responsibilities of a supervisor in preventing worker injuries and unhealthful exposures.
15. Describe the specific legal responsibilities of a supervisor to protect worker safety and health.
16. Identify the reasons for an incident investigation and future preventative measures that may result.
17. Describe types of health and safety construction hazards and appropriate forms mitigation.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- Not Transferable

Methods of Evaluation

- Classroom Discussions
 - Example: Presentation of JHA's, evaluations, and student will participate in a discussion regarding trench hazards. Grade based on industry standards.
- Problem Solving Examinations
 - Example: Review of Fatal Fact case study and creation of a Job Hazard Analysis (JHA) with mitigation in small groups. Rubric grading.

Repeatable

No

Methods of Instruction

- Lecture/Discussion
- Distance Learning

Lecture:

1. Instructor will facilitate a discussion on workplace hazards and common infractions, followed by students outlining common hazards typically found in daily lives. (Objective 8)

Distance Learning

1. Instructor will lead PowerPoint lecture online covering fall protection in the construction industry. Following the lecture, students will view instructor provided image and analyze hazard potentials and post their findings for other students to review and comment on. (Objective 7)

Typical Out of Class Assignments Reading Assignments

1. Read common OSHA violations and draft mitigation measures and be prepared to discuss in class. 2. Read OSHA standards as they apply to fall protection and be prepared to discuss in class.

Writing, Problem Solving or Performance

1. Develop a Job Hazard Analysis (JHA) for changing a lamp. 2. Develop administrative, engineering, and Personal Protection Equipment (PPE) controls for hazards listed in JHA.

Other (Term projects, research papers, portfolios, etc.)

Research the cost of safety equipment for 5 workers performing excavations.

Required Materials

Other materials and-or supplies required of students that contribute to the cost of the course.

Course Materials provided by the Instructor.