

BI 0001 - OSHA CONSTRUCTION SAFETY TRAINING

Catalog Description

Formerly known as CET 1

Hours: 18 lecture

Description: Covers a variety of construction safety and health hazards workers may encounter. Provides safety information to construction workers about employee and employer rights and responsibilities. Emphasizes identification, avoidance, abatement, control, and prevention of job-related hazards on construction sites. This course is taught by authorized industry outreach trainers, and upon successful completion, students will receive the OSHA 10 Hour card. (not transferable)

Course Student Learning Outcomes

- CSLO #1: Demonstrate hazard identification.
- CSLO #2: Design a job hazard analysis with engineering controls.
- CSLO #3: Recommend a job hazard analysis with administrative controls.

Effective Term

Fall 2020

Course Type

Credit - Degree-applicable

Contact Hours

18

Outside of Class Hours

36

Total Student Learning Hours

54

Course Objectives

1. Explain why OSHA is important to workers.
2. Explain worker rights under OSHA.
3. Discuss employer responsibilities under OSHA.
4. Discuss 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.

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

- Objective Examinations
 - Example: After completion of each required lesson topic, a lesson test will be given. Points will be assigned for each test. Example question: Fall protection must be provided to construction workers who are working on surfaces with unprotected sides which are above __ feet.
- Problem Solving Examinations
 - Example: Students will examine case studies to evaluate and create Engineering and Administrative controls to prevent future injury. Safety rubric will be used to measure student performance.

Repeatable

No

Methods of Instruction

- Lecture/Discussion

Lecture:

1. Lecture: Instructor will demonstrate through video or online conference format proper methods for identifying energized or de energized wires and cables using an inductance tester. Students will ask take notes and questions to prepare for an online small quiz. (Objective 7) Discussion: Instructor will facilitate a discussion on workplace hazards and common infractions, followed by students outlining common hazards typically found in daily lives. (Objective 8)

Typical Out of Class Assignments

Reading Assignments

1. Read assigned OSHA case studies and be prepared to discussion in class.
2. Read a Safety Data Sheet (SDS) and be prepared to discussion in class.

Writing, Problem Solving or Performance

1. Review case studies and recommend corrective actions and protections.
2. Develop a weekly safety meeting agenda.

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

Demonstrate proper use of personal protective equipment.

Required Materials

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

Instructor provided material