

CM 210: CONSTRUCTION PROJECT SAFETY

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2021
Credits:	3
Total Contact Hours:	54
Lecture Hours :	54
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	108
Strongly Recommended:	ENGL 101.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter

Catalog Course Description

Introduction to construction project safety, OSHA requirements, Injury and Illness Prevention Program (IIPP), roles, functions, common construction hazards, accident costs, liability laws, field safety methods and controls. 54 lecture hours.

Course Objectives

- Understand the Occupational Safety and Health Act of 1970.
- Examine the fundamental components of a Safety Management System.
- Demonstrate understanding of role and responsibilities within the safety system.
- Describe and prepare a basic Job Hazard Analysis (JHA).
- Demonstrate familiarity with the Cal OSHA Construction Safety Orders and their application to construction sites.
- Prepare for and pass examination to secure a Cal OSHA 10-Hour Safety Certification.
- Describe the basic attributes of an effective culture of safety.
- Understand and explain the components of a construction site-specific Injury Illness and Prevention Plan (IIPP).

Major Course Content

1. The Occupational Safety & Health Act
2. Introduction to Cal OSHA
3. Personal Protective Equipment (PPEs)
4. The Focus Four - Most Common Hazards
5. Employer's Injury Illness & Prevention Programs
6. Health Hazards
7. Excavations and Trenching
8. Hand and Power Tools

9. Stairways and Ladders
10. Confined Spaces
11. Hazardous Materials Handling
12. Scaffolds
13. Job Hazard Analysis (JHA)
14. Hazard Communication
15. Cal OSHA 10-Hour Certification

Suggested Reading Other Than Required Textbook

Cal OSHA Construction Safety Orders (latest Edition)

Examples of Required Writing Assignments

Prepare a Job Hazard Analysis (JHA) based on a real job-site or instructor-assigned case study and prepare to discuss in class.

Examples of Outside Assignments

Research the students' Employer's Injury Illness and Prevention Plan or Construction Safety Program.

Instruction Type(s)

Lecture, Online Education Lecture