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Date Prepared: September 21, 2016
C & G Ed approval: November 14, 2016
Board approval: December 14, 2016
Semester Effective: Fall 2017

Industrial Education Safety (IES) 2065 Trainer Course in Occupational Safety and Health Standards
(3Units) CSU

Prerequisite: Successful completion of IES 2058, IES 2061 with a grade of “C” or better.

Prerequisite knowledge/skills:

Before entering the course the student should have the ability to: have a firm understanding of the Standards associated with Fed and Cal OSHA for Construction and General Industry.

Total Hours: 48 hours lecture

Catalog Description:

The course will focus on the development and delivery of safety presentations using research related to specific topics in Federal and Cal OSHA procedures and standards. Students will build upon the subject matter presented in the Occupational Safety and Health courses IES 2058 and IES 2061, focusing on effective preparation and presentation of Federal and Occupational Safety and Health Administration (OSHA) policies, procedures, standards, and broad spectrum of safety and health principles in Construction and General Industries.

Type of Class/Course: Degree Credit

Textbook:

29 CFR §1926 Construction Regulations. Mancomm, Inc.: Davenport, Iowa, 2016. Print

Cal-OSHA Construction and Electrical Safety Orders. Mancomm, Inc.: Davenport, Iowa, 2016. Print.

29 CFR 1910 General Industry Regulations. Mancomm, Inc.: Davenport, Iowa, 2016 Print

Cal-OSHA State of California General Industry and Electrical Safety Orders. Mancomm, Inc.: Davenport, Iowa, 2016. Print

Cantonwine, Sheila Cullen. *Safety Training that Delivers: How to Design and Present Better Technical Training.* Des Plaines: American Society of Safety Engineers, 1999. Print.

Additional Required Materials: None

Course Objectives:

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

1. Demonstrate key safety components utilizing OSHA 10 and 30 hour training programs for Construction and General Industry regulations and outreach requirements and guidelines.

2. Identify the common causes of accidents and fatalities in hazardous areas of construction (Focus Four) e.g. fall, caught-in or-between, struck-by, and electrocution hazards
3. Identify mitigation techniques for hazards found in Construction and General Industries
4. Apply basic instructional techniques and the use of visual aids during class and supplementary course materials

Course Scope and Content:

- Unit I Introduction
- A. Trainer Course Objective v. Standards Course
 - B. Purpose and Scope of Outreach Courses
 - C. Cal-OSHA Title 8 Equivalents; Construction/General Industry
 - D. Cover Instructional Techniques
- Unit II Outreach Training Objectives I
- A. Steel Erection
 - B. Fall Protection
 - C. Ladders and Stairs
 - D. Scaffolding
- Unit III Outreach Training Objectives II
- A. Excavations
 - B. Electrical
 - C. Demolition
 - D. Cranes
 - E. Rigging
 - F. Fire Protection
- Unit IV Outreach Training Objectives III
- A. Welding
 - B. Concrete
 - C. Health Hazards
 - D. Confined Spaces
 - E. Training Techniques
- Unit V Outreach Training Objectives IV
- A. Hazardous Materials
 - B. Hazardous Waste Operations and Emergency Response (HAZWOPER)
- Unit VI Presentations
- A. 10-Minute “Tailgate” –
 - B. 30-Minute Safety Meeting –

Learning Activities Required Outside of Class: 6 hours per week of research on various topics assigned

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
6. Student Presentations

Methods of Evaluation:

1. Written final exam (Construction Industry Standards)
2. Performance observation
3. Participation
4. Quizzes
5. Role Playing
6. Group Projects
7. Student Presentations

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