

Course Outline

COURSE: WTRM 236 DIVISION: 50 ALSO LISTED AS:

TERM EFFECTIVE: Fall 2018 CURRICULUM APPROVAL DATE: 04/23/2018

SHORT TITLE: OSHA 10 CONSTRUCTION SAFETY

LONG TITLE: OSHA 10 Construction Industry Safety Course

Units	Number of Weeks		Contact Hours/Week		Total Contact Hours
1	18	Lecture:	1	Lecture:	18
		Lab:	0	Lab:	0
		Other:	0	Other:	0
		Total:	1	Total:	18

COURSE DESCRIPTION:

This course covers OSHA standards and requirements as they apply to the construction industry and teaches safety awareness which helps in recognizing and reducing the risk of job site hazards. Emphasis will be on hazard identification, avoidance, control and prevention. Students who successfully complete this course will receive their 10-hour Construction safety course completion certificate/card. This course is a pass/no pass course.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion

05 - Hybrid

72 - Dist. Ed Internet Delayed

STUDENT LEARNING OUTCOMES:

1. Explain the importance of and state the purpose of OSHA in providing a safe and healthful workplace.

Measure of assessment: quizzes, discussion

Year assessed, or planned year of assessment: 2018

Semester: Fall

2. Identify, describe and explain how to protect oneself from each of the Focus Four Hazards.

Measure of assessment: quizzes, discussion, demonstration

Year assessed, or planned year of assessment: 2018

Semester: Fall

3. Describe how to recognize, avoid and/or prevent various job site health hazards.

Measure of assessment: quizzes, discussion, demonstration

Year assessed, or planned year of assessment: 2018

Semester: Fall

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Curriculum Approval Date: 04/23/2018

4 Hours

Content: Orientation. Introduction to OSHA and the OSH Act. General Safety and Health Provisions.

Student Performance Objectives (SPO): Recognize and explain worker rights under OSHA. Recognize and discuss employer responsibilities under OSHA. Describe how OSHA inspections are conducted.

4 Hours

Content: Health Hazards: Hazard Communication. Health Hazards: Materials Handling, Storage, Use and Disposal. Cranes and Rigging.

Student Performance Objectives (SPO): Identify major health hazards common to the construction industry. Describe acute and chronic health hazards. Explain how you would protect yourself from health hazards. Identify material handling hazards on the job site. Describe common types of material handling hazards. Explain how to protect yourself from material handling hazards. Describe common types of crane and rigging hazards. Explain how to protect yourself

from crane and rigging hazards.

4 Hours

Content: Focus Four Hazards: Falls, Electrocutation, Caught-In or Caught-Between and Struck-By Hazards.

Student Performance Objectives (SPO): List the Focus Four Hazards. Identify major falls hazards. Identify common caught-in or caught-between hazards. Identify common struck-by hazards. Identify types of electrocution hazards. Describe and explain how to protect yourself from each of the Focus Four Hazards. Recognize employer requirements to protect workers from each of the Focus Four Hazards.

2 Hours

Content: Personal Protective Equipment (PPE)/Lifesaving Equipment. Hand Tools and Power Tools.

Student Performance Objectives (SPO): Describe types of hazards that require PPE Lifesaving Equipment. Identify and select appropriate PPE Lifesaving Equipment. Explain how to protect yourself from safety and health hazards. Identify and describe types of hand and power tool hazards. Explain how to protect yourself from hand and power tool hazards.

2 Hours

Content: Scaffolds. Stairways and Ladders.

Student Performance Objectives (SPO): Identify various scaffold, stairway and ladder hazards. Explain how to protect yourself from scaffold, stairway and ladder hazards.

2 Hours

Final

METHODS OF INSTRUCTION:

lecture, discussion, multimedia presentation, online modules

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 8

Assignment Description: Out-of-Class Assignments: Read section of OSHA Construction Industry Procedures booklet/handout that relates to an introduction to OSHA and the OSH Act and to general safety and health provisions. Complete practice quizzes on topics covered.

Required Outside Hours: 8

Assignment Description: Out-of-Class Assignments: Read section of OSHA Construction Industry Procedures booklet/handout that relates to health hazards and cranes and rigging. Complete practice quizzes on topics covered.

Required Outside Hours: 8

Assignment Description: Out-of-Class Assignments: Read section of OSHA Construction Industry Procedures booklet/handout that relates to safety regarding the Focus Four Hazards. Complete practice quizzes on topics covered.

Required Outside Hours: 4

Assignment Description: Out-of-Class Assignments: Read section of OSHA Construction Industry Procedures booklet/handout that relates to PPE and safety regarding hand tools and power tools. Complete practice quizzes on topics covered.

Required Outside Hours: 4

Assignment Description: Out-of-Class Assignments: Read section of OSHA Construction Industry Procedures booklet/handout that relates to safety regarding scaffolds, stairways and ladders. Complete practice quizzes on topics covered.

Required Outside Hours: 4

Assignment Description: Out-of-Class Assignments: Review all course material and study for OSHA certification exam.

METHODS OF EVALUATION:

Problem-solving assignments

Percent of total grade: 30.00 %

Percent range of total grade: 30 % to 50 % Quizzes

Objective examinations

Percent of total grade: 30.00 %

Percent range of total grade: 30 % to 50 % Multiple Choice, True/False, Matching Items

Other methods of evaluation

Percent of total grade: 15.00 %

REPRESENTATIVE TEXTBOOKS:

Required Representative Textbooks

United States Dept. of Labor. OSHA Outreach Training Program Construction Industry Procedures . Arlington Heights, IL : Occupational Safety and Health Administration,2018.

Reading Level of Text, Grade: 12 Verified by: MS Word

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: C

Maximum Hours: 1

Minimum Hours: 1

Course Control Number: CCC000573909

Sports/Physical Education Course: N

Taxonomy of Program: 095800