GENERAL CONSTRUCTION SAFETY AND FIRST AID
Course Syllabus

Course Number: CNST-0771
OHLAP Credit: No
OCAS Code: None
Course Length: 30 Hours
Career Cluster: Architecture and Construction
Career Pathway: Construction
Career Major(s): Commercial Electrician’s Assistant, Electrical Assistant, Entry Level

Pre-requisite(s):
Course Description: General construction safety including tool and equipment safety, blood borne pathogens, CPR, PPE, confined space entry, hazardous materials, and right to know.

Instructor-created materials

Course Objectives: A. Understand Basic Construction Safety.
1. Explain the role that safety plays in the construction crafts.1
2. Describe the meaning of job-site safety.1
3. Describe the characteristics of a competent person and a qualified person.1
4. Explain the appropriate safety precautions to take around common job-site hazards.1
5. Demonstrate the use and care of appropriate personal protective equipment (PPE).1
6. Properly don and remove personal protective equipment (safety goggles, hard hat, and personal fall protection).1
7. Follow the safety procedures required for lifting heavy objects.1
8. Describe safe behavior on and around ladders and scaffolds.1
9. Explain the importance of Hazard Communications (HazCom) and material safety data sheets (MSDSs).1
10. Describe fire prevention and firefighting techniques.1
11. Define safe work procedures to use around electrical hazards.1

B. Describe Basic Rigging
1. Identify and describe the use of slings and common rigging hardware.1
2. Describe basic inspection techniques and rejection criteria used for slings and hardware.1
3. Describe basic hitch configurations and their proper connections.1
4. Describe basic load-handling safety practices.1
5. Demonstrate proper use of American National Standards Institute (ANSI) hand signals.1

C. Complete and Introduction to CPR.
1. Identify proper reviving techniques using CPR.
2. Recognize when CPR should be administered.
3. Identify various reviving equipment used for CPR and other reviving equipment.
Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.