



South Central College

WELD 1211 Safety OSHA 30

Common Course Outline

Course Information

Description	This course will be going over the different aspects of safety in General Manufacturing safety. At the end of this class students will be given the opportunity to take the OSHA 30 test. Once passed they will receive their OSHA 30 certification card. (Prerequisites: Must be enrolled in Welding Fabrication Certificate or instructor approval.)
Total Credits	2
Total Hours	32

Types of Instruction

Instruction Type	Credits/Hours
Lecture	2/32

Pre/Corequisites

Must be enrolled in Welding Fabrication Certificate or Approval from Instructor.

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

- 1. Understand the different components in an OSHA course and how each component is related to one another.**

Learning Objectives

Locate weekly fatality/catastrophe report.
Identify MSDS.
Know your rights as a whistleblower.
Identify OSHA 300 log examples.
Read OSHA standards.
Navigate the OSHA website.
Identify safety and health problems in the workplace.
Demonstrate filling an OSHA complaint.

2. Define components associated with walking and working surfaces, including fall protection.

Learning Objectives

Define the term floor hole, floor opening, wall opening, standard railing, and standard toe board.

List five requirements to consider in order to avoid walking/working surface hazards related to floors, walls holes, stairways, platforms and ladders of scaffolding.

3. Describe exit routes, emergency action plans, fire prevention plans, and fire protection.

Learning Objectives

Describe the three parts to an appropriate exit route.

Discuss at least four characteristics of an effective exit route.

List four reasons for developing an emergency action plan.

List the required elements of a fire prevention plan.

List four of the five classes of fire extinguishers and the types of fires they can properly extinguish.

Name the requirements of a fire prevention plan.

Describe four requirements for proper maintenance of portable fire extinguishers.

4. Recognize common electrical hazards in the work place.

Learning Objectives

Describe four types of injuries that may result from contact with electricity.

List the three main electrical hazards that maybe encountered at a worksite.

Discuss at least three methods of protection from electrical hazards.

Describe the function of a ground fault circuit interrupter.

List three warning signs or clues that an electrical hazard exists.

5. Identify personal protection equipment as it relates to manufacturing.

Learning Objectives

Describe the two primary means of protecting employees from workplace hazards.

Explain what should be accomplished in PPE training.

List PPE that may be used to protect the eye, face, head, feet, hands, arms, bodies, and hearing.

Identify hazards that are lessened or eliminated by using the appropriate PPE for eye protection, hearing protection, foot and hand protection, face protection, and body protection.

6. Describe hazard communication responsibilities.

Learning Objectives

Describe the four main employer responsibilities under the HazCom standard.

List the components of an appropriate HazCom program.

Describe the differences between HazCom labeling requirements for a commercially procured chemical in its original packaging or container and other workplace chemical containers such as stationary containers, portable containers and piping systems.

Identify at least five pieces of information found on each material safety data sheet.

7. Explain what lockout - tagout (LOTO) is and why it is used.

Learning Objectives

Explain what LOTO is.

Explain why a company uses LOTO.

Explain the difference of authorized, affected and other employees.

8. Explain the safety concerns of hand tools and machine guarding used in manufacturing.

Learning Objectives

Explain the safety concerns of hands tools that maybe used in manufacturing.

Describe the different types of guarding that machines may use.

Explain the clearance of guards and when machine guards need to be adjusted as machine is in use.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request

and discuss accommodations. North Mankato: Room C-112, (507) 389-7222; Faribault: Room A-116, (507) 332-5847.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.