



WEL101 Welding Safety/OSHA10 Syllabus

Course Information

Credits	2
Campus	Washburn Institute of Technology
Address	5724 SW Huntoon
City/State/Zip	Topeka, Kansas 66604
Office Fax	785-273-7080

Description

Through a variety of classroom and/or lab learning and assessment activities, students in this course will explain job/site safety and precautions for job/site hazards, determine the uses of personal protective equipment (PPE), identify the safety equipment and procedures related to safe work practices and environment, identify fire prevention and protection techniques, and explore Hazardous Communications (HazCom) including Material Safety Data Sheets (MSDS).

Textbooks

none

Student Learning Outcomes:

- A. Communicate effectively
- B. Integrate technology
- C. Learn effectively
- D. Demonstrate cooperative teamwork skills
- E. Apply safety in the workplace
- F. Think critically and creatively
- G. Demonstrate responsible work ethics

Competencies

1. Demonstration of safety based knowledge through accomplishment of OSHA 10 course and receipt of certificate.
2. Identify hazards associated with welding.
3. Identify the correct use of personal protective equipment.
4. Demonstration of proper don and doff of all PPE through practical testing and daily lab activities.
5. Demonstrate proper knowledge of fire prevention, MSDS and HazCom through practical testing and also daily lab activities.
6. Demonstration of precautions and safety through practical lab applications.

7. Demonstrate safe use of hand tools.
8. Demonstrate safe use of electrical power tools.
9. Identify safety of electrical power tools.
10. Identify the four types of fire extinguishers.
11. Demonstrate knowledge of fire safety.
12. Identify fire hazards on a work site.
13. Safely move cylinders.
14. Demonstrate proper setup of system.
15. Explore Hazardous Communications.
16. Complete OSHA 10 training.

Guidelines for Success

Assessment Plan

Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution's technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Rationale and Grading Scale

Rating Scale

- 4 Skilled – can perform task with no additional training
- 3 Moderately skilled – has performed task during training program; limited additional training may be required
- 2 Limited Skill – has performed task during training program; additional training is required to develop skill
- 1 Exposed to content – is familiar with process; no opportunity to develop skill
- 0 No Exposure – not covered

Directions: Evaluate the student by checking the appropriate number to indicate the degree of competency reached. Rate each task to reflect employability readiness.

Attendance

Attendance is required.

Disability

The Special Support Services (SSS) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST register and provide documentation with the office to be eligible for services. New requests for accommodations should be submitted two months or more prior to the date services should begin; however, contact the SSS Office as soon as a need may arise. Depending on the accommodation request, four to eight week lead time may be needed for timely and effective provision of services. SSS coordinates and assist in arranging services it deems appropriate of eligible students on a case-by-case basis.

If you are a student with a disability that may substantially limit your ability to participate in this class and believe you will need accommodations, it is your responsibility to contact:

Special Support Services Coordinator

Phone: 785-228-6356

E-Mail: ssscoordinator@washburn.edu

