

## SYLLABUS

<b>DATE OF LAST REVIEW:</b>	<b>04/20/2020</b>
<b>CIP CODE:</b>	47.0613
<b>SEMESTER:</b>	Departmental Syllabus
<b>COURSE TITLE:</b>	Safety Orientation/OSHA 10
<b>COURSE NUMBER:</b>	DEVT 0101
<b>CREDIT HOURS:</b>	1
<b>INSTRUCTOR:</b>	Departmental Syllabus
<b>OFFICE LOCATION:</b>	Departmental Syllabus
<b>OFFICE HOURS:</b>	Departmental Syllabus
<b>TELEPHONE:</b>	Departmental Syllabus
<b>E-MAIL:</b>	Departmental Syllabus
<b>PREREQUISITES:</b>	Mathematics for Manufacturing w/ a grade of "C" or higher or appropriate score on the Math assessment test.

**REQUIRED TEXT AND MATERIALS:** Please check with the KCKCC bookstore, <http://www.kckcc.bookstore.com> ,for the required texts for your particular class.

**COURSE 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; explore Hazardous Communications (HazCom) including Material Safety Data Sheets (MSDS).

**METHOD OF INSTRUCTION:** A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

**EXPECTED LEARNER OUTCOMES:**

- A. The student will be able to understand the importance of OSHA.
- B. The student will be able to document information for OSHA requirements.
- C. The student will be able to relate to background information related to OSHA.
- D. The student will be able to identify violation types.
- E. The student will be able to identify OSHA standards.
- F. The student will be able to recognize hazards in the work place.
- G. The student will be able to define safe walking working conditions.
- H. The student will be able to identify with electrical safety and conditions.
- I. The student will be able to select PPE.
- J. The student will be able to recognize industrial hygiene hazards.
- K. The student will be able to recognize the importance of MSDS documentation.
- L. The student will be able to identify hazards and corrective actions for hand tools.
- M. The student will be able to maintain records for recordkeeping.
- N. The student will be able to properly identify material handling equipment.
- O. The student will be able to inspect emergency evacuation routes and document findings.

**COURSE COMPETENCIES:**

Upon completion of this course:

- The student will be able to understand the importance of OSHA.*  
1. The student will be able to explain the role of OSHA in job-site safety.
  
- The student will be able to document information for OSHA requirements.*  
2. The student will be able to maintain records required by OSHA.  
3. The student will be able to recognize penalties set by OSHA.
  
- The student will be able to relate to background information related to OSHA.*  
4. The student will be able to identify and recognize inspection authorities.  
5. The student will be able to recognize notice for inspections.
  
- The student will be able to identify violation types.*  
6. The student will be able to recognize violations and realize fines that can be accessed.  
7. The student will be able to follow abatement process.
  
- The student will be able to identify OSHA standards.*  
8. The student will be able to explain OSHA'S current General Industry 1910 or Construction 1926 Guidelines.
  
- The student will be able to recognize hazards in the work place.*  
9. The student will be able to describe the impact of accidents.  
10. The student will be able to identify the four high-hazard areas.

11. The student will be able to demonstrate hazard recognition and risk assessment techniques.
12. The student will be able to explain the basics of construction health.
13. The student will be able to identify basic fall, electrical, fire, trenching, materials handling, and heavy equipment hazards, and explain the general safety procedures associated with them.
14. The student will be able to explain your company or site specific fall protection procedures and requirements.

*The student will be able to define safe walking, working conditions.*

15. The student will be able to demonstrate proper housekeeping procedures.
16. The student will be able to demonstrate and explain the proper use of ladders and scaffolding.
17. The student will be able to explain various signs, signals, barricades, markers, and tags used on a job site.
18. The student will be able to explain the use of work permits and lockout/tagout procedures.

*The student will be able to identify with electrical safety and conditions.*

19. The student will be able to demonstrate an understanding of assured equipment grounding conductor programs and the use of GFCIs.

*The student will be able to select PPE.*

20. The student will be able to explain and demonstrate the use of appropriate personal protective equipment.

*The student will be able to recognize industrial hygiene hazards.*

21. The student will be able to interpret and locate MSDS information.
22. The student will be able to identify hazard definitions.

*The student will be able to recognize the importance of MSDS documentation.*

23. The student will be able to identify target organ effects.
24. The student will be able to document necessary precautions related to MSDS.

*The student will be able to identify hazards and corrective actions for hand tools.*

25. The student will be able to demonstrate and explain hand and power tool safety guidelines.

*The student will be able to maintain records for recordkeeping.*

26. The student will be able to identify forms and requirements set forth by OSHA.

*The student will be able to properly identify material handling equipment.*

27. The student will be able to identify material handling equipment.

28. The student will be able to identify storage procedures.
29. The student will be able to identify safety related to powered trucks.
30. The student will be able to conduct inspections of storage of batteries.
31. The student will be able to identify safety of cranes.
32. The student will be able to inspect slings and wire rope handling equipment.
33. The student will be able to demonstrate and explain the emergency procedures for trenching accidents.
34. The student will be able to demonstrate proper manual lifting procedures.
35. The student will be able to identify the hazards of working around or on heavy equipment.
36. The student will be able to describe proper rigging safety procedures.

*The student will be able to inspect emergency evacuation routes and document findings.*

37. The student will be able to identify basic coverage in exit plans.
38. The student will be able to identify the basic discharge routes.
39. The student will be able to describe action plans described in fire evacuation plans.
40. The student will be able to demonstrate use of hand signals.

#### **ASSESSMENT OF LEARNER OUTCOMES:**

Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

#### **SPECIAL NOTES:**

This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student's progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college's policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the director of the Academic Resource Center, in Rm. 3354 or call at: 288-7670.

