**BARTON COMMUNITY COLLEGE**

COURSE SYLLABUS

## FALL 2013

1. **GENERAL COURSE INFORMATION**

Course Number: HZMT 1925

Course Title: OSHA Construction Industry Regulations

Credit Hours: 2-3

Prerequisite: None

Division and Discipline: Environmental Technology

Course Description: This course will train students on Occupational Safety and Health Act, (OSHA) regulations pertaining to construction standards that are set forth in the Code of Federal Regulations 29, part 1926

1. **CLASSROOM POLICY**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

The College reserves the right to suspend a student for conduct that is detrimental to the College's educational endeavors as outlined in the College catalog.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. Learn the rules of, and avoid instances of, intentional or unintentional plagiarism.

Anyone seeking an accommodation under provisions of the Americans with Disabilities Act should notify Student Support Services.

1. **COURSE AS VIEWED IN TOTAL CURRICULUM**

This course will provide the student with knowledge of OSHA construction standards requirements of 29 CFR 1926 that can be used in their workplace. By following these standards, the knowledge learned can be used in present and future employment and will provide employers with a safe workplace for their employees.

The transferability of all college courses will vary among institutions, and perhaps even among departments, colleges, or programs within an institution. Institutional requirements may also change without prior notification. It is the student's responsibility to obtain relevant information from intended transfer institutions to insure that the courses the student enrolls in are the most appropriate set of courses for the transfer program.

1. **ASSESSMENT OF STUDENT LEARNING/COURSE OUTCOMES**

Barton Community College assesses student learning at several levels: instructional, program, degree and classroom. The goal of the assessment activities is to improve student learning. As a student in this course, you will participate in various assessment activities. Results of these activities will be used to improve the content and delivery of Barton’s instructional program.

1. Explain why OSHA is important to workers.
2. Explain worker rights and employers responsibilities under OSHA.
3. Explain how OSHA’s inspections are conducted.
4. Demonstrate and understanding of OSHA's Construction Industry workplace safety requirements
5. Locate and interpret workplace safety requirements for a workplace using 29 CFR parts 1926.
6. Determine written program requirements
7. **COMPETENCIES**
8. Explain why OSHA is important to workers.
9. Identify key dates
10. Explain the goals of OSHA
11. Explain the federal register system
12. Define and contrast Horizontal and Vertical standards
13. Discuss policies under the general duties clause 5(a)(1)
14. Explain worker rights and employers responsibilities under OSHA.
15. Train employees in recognition, avoidance and prevention of unsafe conditions
16. Explain why safety is important for employee and employer
17. Demonstrate an understanding of OSHA’s inspection procedures.
18. Explain OSHA's inspection procedures and priority of inspection
19. Explain the abatement process
20. Discuss general guidelines on focused inspections
21. Demonstrate and understanding of OSHA's Construction Industry workplace safety requirements
22. Identify safety requirements under the following topics:
23. General safety and health provisions. Subpart C
24. Competent person. Subpart C
25. Electrical standards. Subpart K
26. Fall protection standards and devices. Subpart M
27. Occupational health and environmental controls. Subpart D
28. PPE and life saving equipment. Subpart E
29. Health hazards in construction. Subpart D
30. Material handling, rigging, storage, use and disposal. Subpart H
31. Hand and power tools with machine guarding. Subpart I
32. Welding and cutting requirements. Subpart J
33. Scaffolding requirement. Subpart L
34. Cranes derricks, hoist, elevators, and conveyors. Subpart N
35. Motor vehicles mechanized equipment operations, rollover protection structures, overhead protection and signs, signals and barricades. Subpart O, W, and G
36. Excavations. Subpart P
37. Concrete and masonry requirements of construction. Subpart Q
38. Ladders and stairways. Subpart X
39. Confined space entry. Subpart C
40. Fire protection and prevention. Subpart F

1. Locate and interpret workplace safety requirements for a workplace using 29 CFR parts 1926.
2. Locate and interpret construction safety requirements.
3. Conduct a safety audit of a given work site.
4. Prepare compliance recommendations for safely violations.
5. Determine written program requirements
6. Determine safety programs and requirements for construction sites.
7. Prepare a written safety program for a worksite.
8. **INSTRUCTOR EXPECTION OF STUDENTS IN CLASS**
9. **TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE**
10. **REFERENCES**
11. **METHODS OF INSTRUCTION AND EVALUATION**
12. **ATTENDANCE REQUIREMENTS**
13. **COURSE OUTLINE**