**BARTON COMMUNITY COLLEGE**

COURSE SYLLABUS

1. **GENERAL COURSE INFORMATION**

Course Number: OSHA 1927

Course Title: Fundamentals of Occupational Safety and Health Construction Industry

Credit Hours: 3

Prerequisite: None

Division and Discipline: Occupational Safety and Health

Course Description: This course will instruct students on the Occupational Safety and Health Act (OSHA) and regulations pertaining to construction standards 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. Additional information about academic integrity can be found at the following link:

<http://academicintegrity.bartonccc.edu>

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

This course will instruct students on OSHA construction standards requirements of 29 CFR 1926 that can be used in the workplace. This is a required course in the Occupational Safety and Health Degree.

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**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes

1. Explain why OSHA is important to workers.
2. Identify key dates
3. Explain the goals of OSHA
4. Explain the federal register system
5. Define and contrast Horizontal and Vertical standards
6. Analyze policies under the general duties clause 5(a)(1)
7. Explain worker rights and employers responsibilities under OSHA.
8. Train personnel in recognition, avoidance and prevention of unsafe conditions
9. Explain why safety is important for employee and employer
10. Explain how OSHA’s inspection are conducted
11. Explain OSHA's inspection procedures and priority of inspection
12. Explain the abatement process
13. Analyze general guidelines on focused inspections
14. Determine OSHA's safety requirements for the construction industry
15. Identify safety requirements under the following topics:
    1. General safety and health provisions Subpart C
    2. Competent person Subpart C
    3. Electrical standards Subpart K
    4. Fall protection standards and devices Subpart M
    5. Occupational health and environmental controls Subpart D
    6. PPE and lifesaving equipment Subpart E
    7. Health hazards in construction Subpart D
    8. Material handling, rigging, storage, use and disposal Subpart H
    9. Hand and power tools with machine guarding Subpart I
    10. Welding and cutting requirements Subpart J
    11. Scaffolding requirement Subpart L
    12. Cranes derricks, hoist, elevators, and conveyors Subpart N
    13. Motor vehicles mechanized equipment operations, rollover protection structures, overhead protection and signs, signals and barricades Subpart O, W, and G
    14. Excavations Subpart P
    15. Concrete and masonry requirements of construction Subpart Q
    16. Ladders and stairways Subpart X
    17. Confined space entry Subpart C
    18. Fire protection and prevention Subpart F

1. Locate and interpret workplace safety requirements using 29 CFR 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. Analyze 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**