**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**Fall 2013**

# **GENERAL COURSE INFORMATION**

Course Number: OSHA 1009

Course Title: Fall Arrest Systems

Credit Hours: 1.5

Prerequisite: None

Division/Discipline: Technical Education Division

Course Description: This course provides an overview of state-of-the-art technology for fall protection and current Occupational Safety & Health Administration (OSHA) requirements. Topics covered include principles of fall protection, components of fall arrest systems, limitations of fall arrest equipment, and OSHA policies regarding fall protection. Course features exercises and activities using fall protection equipment.

# **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 County 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/>

# **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

The OSHA 3115 Fall Arrest System course provides an overview of state-of-the-art technology for fall protection and current OSHA requirements. In order to properly work at heights it takes a combination of understanding the requirements of how to conduct an effective fall protection audit and risk assessment according to OSHA and 29 Code of Federal Regulation (CFR) 1926 standards. OSHA’s enforcement of the program combined with minimum standards that must be followed will be presented.

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.

# **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 and Core Competencies

1. Describe the duty to have fall protection/ Personal Fall Arrest System (PFAS) on construction sites.
   1. Explain the reason for properly utilizing fall protection or PFAS.
2. Distinguish the various conventional methods of fall protection from available non-conventional fall systems.
   1. Decide which fall protection method would work best for a given construction site scenario.
   2. Explain your chosen method of fall protection using evidence from the course.
3. Identify fall protection systems for the following sectors of construction; Residential Construction, Scaffold Erectors, Steel erection.
   1. Explain why a particular system was chosen.
   2. Analyze the effectiveness of the system to prevent falls.
4. Conduct PFAS fitting and a suspension exercise.
   1. Select, examine, and demonstrate the proper method for using a fall protection harness.
5. Choose anchor points and means of connection using a given fall protection system.
   1. Compare the various types of anchor points then select the best suited
   2. Categorize the different lanyards and choose one to be combined with the anchor point to establish an operational fall protection system.
6. Compare and contrast the differences between vertical and horizontal travel systems.
   1. Define the differences between vertical and horizontal
   2. Devise a plan for using both a vertical and horizontal travel system.
7. Detect faults of a used PFAS.
   1. Evaluate if the PFAS is within the OSHA safety standards for use.
8. Describe the need for a rescue plan using the Federal Guidelines listed in 29 CFR 1926.
   1. Implement accurate procedures for rescue/ retrieval operations.
9. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**