**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**SUMMER 2013**

# **GENERAL COURSE INFORMATION**

Course Number: OSHA 1006

Course Title: Permit Required Confined Space Entry

Credit Hours: 1.5

Prerequisite: None

Division/Discipline: Technical Education Division

Course Description: This course is designed to enable students to recognize, evaluate, prevent, and abate safety and health hazards associated with confined space entry. Technical topics include the recognition of confined space hazards, basic information about instrumentation used to evaluate atmospheric hazards, and ventilation techniques. This course features hands-on exercises on permit entry classification and program evaluation.

# **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 purpose of this course is to help ensure that employees who may enter Permit Required Confined Spaces (PRCS) have the requisite knowledge and skills to do so safely and in accordance with the requirements of 29 Code of Federal Regulation (CFR) 1910.146. By following these standards, the knowledge learned can be used in present and future employment. This class will provide employers awareness in 29 CFR 1910.146 (g) that covers the training requirements for providing a safe and healthful 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.

# **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 chemical awareness, basic toxicology, geological and radiological hazards.
   1. Identify a hazard and select the proper personal protective equipment needed.
   2. Explain the importance of chemical identification and hazard recognition.
2. Recognize site hazards and interpret Safety Data Sheets (SDS).
   1. Determine if chemical(s) taken into a Permit Required Confined Space (PRCS) create supplementary hazards.
   2. Distinguish the various methods used in hazard recognition to enable workers to see the need to implement the appropriate engineering controls, work practices, and selection of personal protective equipment for hazard protection
3. Distinguish a Permit Required Confined Space (PRCS) from a Non-Permit Required Confined Space (NPRCS), and the deadly undertaking of entering these spaces.
   1. Recognize confined spaces and the permits that are required prior to entering these areas.
4. Select a “competent person” as prescribed by 29 CFR 1910.146.
   1. Explain the specific duties of affected personnel (Authorized Entrant, Attendant, Supervisor, and Emergency Services).
5. Select and use various types of air monitoring devices and recognize their limitations.
   1. Conduct atmospheric testing for evaluation and verification in a Permit Required Confined Space (PRCS).
   2. Use and explain the limits of single gas monitors as compared to four gas monitors.
   3. Recognize the purpose of respirators and their restrictions.
6. Choose the control for various different sources of hazardous energy required by the Lock Out/ Tag Out program.
   1. Extrapolate the provisions set forth in 29 CFR 1910.147 of the general Industry Standard (Control of Energy).
7. Describe the need for a Permit Required Confined Space (PRCS) rescue team along with the Federal Guidelines listed in 29 CFR 1910.146 (k).
   1. Implement the correct procedures utilized in entry rescue operations.
8. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**