**BARTON COMMUNITY COLLEGE**

COURSE SYLLABUS

1. **GENERAL COURSE INFORMATION**

Course Number: OSHA 1929

Course Title: Introduction to Fire Prevention

Credit Hours: 3

Prerequisite: None

Division and Discipline: Occupational Safety and Health

Course Description: This course will provide fundamental information regarding the history and philosophy of fire prevention to students through the study of fire codes, identification and correction of fire hazards, and addressing the relationships of fire prevention with built-in fire protection systems, fire investigation and fire and life-safety education.

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 provide the student with a basic knowledge of the history of fire prevention and some historical events which have effected modern day fire codes, procedures and related technology. Introduction to Fire Prevention 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. Describe the duties, standards, codes and permits associated with fire prevention.
2. Identify key terms
3. Explain the goals of fire prevention
4. Explain why fire prevention is important
5. Define the key standards associated with fire prevention
6. Locate the appropriate fire codes associated with prevention activities
7. Explain the basic concepts of fire behavior
8. Define key terms associated with fire behavior
9. Identify and explain how fire prevention practices effect fire behavior
10. Explain how building construction types and occupancy classifications relate to fire prevention activities.
    1. Explain the different materials and structural systems in building construction relating to fire prevention
    2. Explain the different components in building construction relating to fire prevention
11. Evaluate the impact of fire prevention measures on reducing the loss of life and property in fire related emergencies.
12. Explain the differences between water-based and special-agent fire extinguishing systems and extinguishers
13. Locate and interpret requirements for fire detection systems in different types of building occupancies
14. Identify the requirements of site access in reference to fire codes
15. Explain how building contents can effect fire prevention efforts.
    1. Define descriptions and identification methods of the presence of hazardous materials
    2. Describe the appropriate storage, handling, dispensing, transporting, usage and disposal of hazardous materials
16. Explain the need for standardized inspection procedures in the fire prevention field.
    1. Identify the key elements to a fire prevention inspection
    2. Conduct a fire prevention inspection of a workplace
    3. Develop a fire prevention plan for a workplace
    4. Identify key elements to a review process
    5. Perform a field verification of a plan to assess its effectiveness
17. **INSTRUCTOR EXPECTION OF STUDENTS IN CLASS**
18. **TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE**
19. **REFERENCES**
20. **METHODS OF INSTRUCTION AND EVALUATION**
21. **ATTENDANCE REQUIREMENTS**
22. **COURSE OUTLINE**