**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

1. **GENERAL COURSE INFORMATION**

Course Number: OSHA 1933

Course Title: Workplace Accident Investigation

Credit Hours: 3 credit hours

Division and Discipline: Occupational Safety and Health

Course Description: This course provides an introduction to basic accident investigation procedures and describes accident analysis techniques. The focus of the course is to assist students in gaining the basic skills necessary to conduct an effective accident investigation in a workplace. Topics include the primary reasons for conducting an accident investigation, employer responsibilities related to workplace accident investigations, and the six step accident investigation procedure.

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**

Instruction is provided on the basic skills necessary to conduct an effective accident investigation in the workplace. Accident investigations determine the how and why accidents occur. Workplace Accident Investigation is a required course in the Occupational Health and Safety 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/COURSE OUTCOMES**

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. Evaluatebasic accident investigation concepts and define the characteristics of an effective accident investigation program

1. Define “accident”
2. Identify the causes of most accidents
   1. Explain the six-step process for conducting accident investigations
3. Determine the best method for an initial response and public relations
4. Distinguish between an accident investigation and accident analysis
5. Identify the direct and indirect costs of an accident
   1. Conduct an accident investigation utilizing the six step procedure
6. Describe the characteristics of an effective accident investigation program
7. Perform a “Fix the System” incident/accident analysis plan
8. Conduct a six step accident investigation/analysis
9. Preserve and document the accident scene
10. Define the causes of an accident
11. Determine the cause of an accident
12. Conduct a fault tree analysis
13. Describe a Management Oversight and Risk Tree (MORT)
14. Develop recommendations for corrective actions
    1. Write a complete accident report
15. Determine how best to use photography equipment
16. Collect facts through interviews
17. Develop the sequence of events
18. Brief participants using a completed accident report
19. **INSTRUCTOR’S EXPECTATIONS OF STUDENTS IN CLASS**
20. **TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE**
21. **REFERENCES**
22. **METHODS OF INSTRUCTION AND EVALUATION**
23. **ATTENDANCE REQUIREMENTS**
24. **COURSE OUTLINE**