

Common Course Outline
OSHT 226
Safety and Health Management Analysis
3 Credits

The Community College of Baltimore County

Description

OSHT 226 – 3 Credits – Safety and Health Management Analysis covers accident analysis, job safety analysis, safety performance analysis, and risk analysis. OSHT 226 includes economic factors related to accidents and injuries. Workers' compensation programs and safety training plans are covered. Principles of effective safety culture and accident prevention programs are discussed.

3 Credit Hours

Pre- requisites: OSHT 101, (ENGL 052 and RDNG 052) or ACLT 052

Overall Course Objectives

Upon successful completion of this course students will be able to:

1. analyze accident performance data and organize results;
2. interpret accident performance trends;
3. defend recommendations for job hazard analysis;
4. design and justify safety measurement programs;
5. relate problem-identification and problem-solving techniques to occupational safety and health issues;
6. compare and contrast accident performance and accident cost data to industry and government results;
7. select appropriate sources of information related to economic factors of accidents, injuries, and safety programs from different providers;
8. explain workers' compensation issues and programs;
9. distinguish elements of positive and negative safety cultures;
10. interpret training regulations and standards;
11. analyze training needs; and
12. write safety and health training plans and training lessons.

Major Topics

- I. Problem-Identification Techniques
- II. Problem-Solving Techniques
- III. Accident Analysis
- IV. Trends, Indicators, and Metrics
- V. Process Safety Management and Operational Analysis
- VI. Safety Cultures

- VII. Safety Professionalism and Effectiveness
- VIII. Principles of Accident Prevention
- IX. Costs of Accidents
- X. Finding and Using Accident and Cost Data
- XI. Workers Compensation Programs
- XII. Safety Training Needs
- XIII. Training Programs and Lesson Plans

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

- A minimum of 2 discussion assignments
- Mid-term exam
- Comprehensive final exam
- Group accident analysis case study project
- Independent accident analysis report
- Independent cost project paper
- Independent training lesson plan and training presentation
- Participation

Written Assignments: Students are required to utilize appropriate academic resources.

Other Course Information

This course is an OSH core course.

This course is taught in a blended or modified online format.

This course may not be offered in all semesters. Refer to the registration schedule.

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