

Program: **Certificate in Occupational Health & Safety**

Course: **COHS 3210 –Management of Health and Safety Systems**

Instructor: **Susan Sawatzky**

Course Description:

This course builds on the materials presented in the health and safety basics course. Students will gain a deeper appreciation for the legal, moral, and financial motivations for maintaining a health and safety program that delivers health and safety excellence. The course covers the need to understand effectiveness and efficiency as it relates to management principles and management of health and safety programs.

Learning Outcomes:

- Describe the common hazards found in the modern workplace;
- Differentiate between the various types of safeguarding systems;
- Identify the equipment typically used in assembly and operations environments, including robotics, woodworking machinery, and metal working machinery;
- Understand automated processes, which include the use of robotics and computerized numerically controlled machine;
- Identify the types of hoisting apparatuses and the rules that apply to them;
- Identify types of cranes and the safety precautions that apply to them;
- Identify the components in a fire triangle and fire tetrahedron;
- Differentiate between the types of fires and applicable suppression methods;
- Understand fire chemistry;
- Understand definitions related to electric safety;
- Identify various types of electrical injuries and the tasks that expose workers to electrical hazards;
- Understand confined space characteristics;
- Apply the use of confined space hazard assessments;

- Differentiate between the types of fall protection and fall arrest systems;
- Identify the components required when using fall protection;
- Identify the types of workplace violence; and
- Understand the concerns related to workplace violence.

Course Outline:

Module 1: Hazard Recognition, Evaluation, and Control

Module 2: Safeguarding

Module 3: Assembly and Operation Equipment

Module 4: Rigging and Hoisting

Module 5: Fire Prevention and Protection

Module 6: Electrical Safety

Module 7: Confined Space

Module 8: Fall Protection

Module 9: Chemical Process Safety

Module 10: Managing Troubled Employees

Academic Requirements:

- 10 module Quizzes worth 80%
- 1 written assignment worth 20%.

Other:

42 hours of contact work

5 BCRSP Points

BCRSP Domain: Applied Safety Fundamentals (ASF), Fire Prevention and Protection (FPP), Risk Management (RM)