

Program: Diploma in Occupational Health & Safety

Course: DOHS 4231 – Safety in Complex Work Environments

Instructor: **Jesse Martell**

Course Description:

Confined spaces and other complex environments can present unusual risks for workers, such as hazardous atmospheres. Emergency response from these environments similarly needs to be carefully thought through before work can begin. This course is aimed at safety professionals responsible for providing advice and leadership to manage these risks. Participants will develop an ability to assess the risks associated with confined spaces and other complex environments, and to develop, communicate and implement a hazard management program to control these risks.

Learning Outcomes:

- Understanding the risk of hazardous atmospheres, limit access and difficulty associated with emergency response in order to implement an effective confined space program
- Familiarity of confined space legislation in Canada
- Skills for the development, administration, and monitoring of a complete confined space program
- Have an overview of whether confined space hazards are present or are likely to be present in the workplace
- Knowledge of the hierarchy of controls relevant to work in confined spaces
- Understanding of requirements for ongoing confined space education and training
- Be familiar with the three confined space rescue scenarios

- A grasp of confined space evaluation and corrective action such as, incident investigation, analysis and internal audits

Course Outline:

- Module 1: Introduction to Complex Work Environments
- Module 2: Regulatory Framework
- Module 3: Types of Spaces
- Module 4: Confined Space Hazards
- Module 5: Hazard Assessment
- Module 6: Controls
- Module 7: Emergency Planning
- Module 8: Competency Development and Assessment
- Module 9: Inspections, Audits, and Continuous Improvement

Academic Requirements:

- 1 reflection paper assignment worth 10%
- 1 final assignment (4-8 pages) worth 20%
- 1 cumulative Final Exam worth 70%