

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

Course: COHS 3120 – Fundamentals of Occupational Hygiene

Instructor: **Glyn Jones**

Course Description:

Occupational Hygiene is the art and science devoted to the recognition, evaluation and control of workplace hazards that may result in illness, disease or injury. This introductory course is designed to provide the basics of some of the key concepts in Occupational Hygiene, including routes of how chemical enter the body, what the health effects are likely and how employers can control workplace exposures.

Learning Outcomes:

- Explain the purpose and goals of an occupational hygiene program;
- Describe in detail the four major categories of occupational health hazards;
- Demonstrate and interpret the application and limitations of occupational hygiene standards.
- Identify potential occupational hygiene problems that may be typically encountered;
- Evaluate the range of strategies available to evaluate and control risks to health;
- Discuss the basic principles in anticipation, recognition, evaluation and control of health hazards;
- Explain the systematic approach of solving occupational hygiene problems at the workplace;
- Recognize the elements of a good industrial hygiene evaluation and report;
- Weigh critical elements in the selection of available control measures; and
- Analyze the application of occupational hygiene principles to effective management of work place health risks.

Course Outline:

Module 1: Introduction to Occupational Hygiene

Module 2: Legislation

Module 3: Major Body Symptoms

Module 4: Toxicology

Module 5: Hazard Recognition

Module 6: Hazard Evaluation

Module 7: Hazard Control

Academic Requirements:

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

Other:

42 hours of contact work

5 BCRSP Points

BCRSP Domain: Occupational Hygiene (OH)