

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

Course: **COHS 3310 – Accident Causation Theory and Incident Investigation**

Instructor: **Glyn Jones**

### **Course Description:**

Accident causation theory provides a systematic approach to the analysis of workplace accidents, to identify all potential root causes and to establish the links between workplace accidents and norms in workplace practice. It is an essential discipline that allows health and safety professionals to determine why workplace incidents occur, so that attention and energy can be applied to correcting deficiencies and preventing re-occurrences. This course considers the approaches and frameworks used to investigate accidents within a business management system context, and provides the learner with the tools, skills and knowledge necessary to investigate workplace accidents effectively.

### **Learning Outcomes:**

- Knowledge of developing a health and safety management system
- Understanding of the basic principles of accident and incident investigation
- Knowledge on data collection and analysis
- Comprehending accident theory
- Being able to describe the mechanics of basic single and multi-causation models
- Use of accident theory in causal analyses
- Perform an incident investigation through a case study

### **Course Outline:**

Module 1: Occupational Health and Safety Management Systems

Module 2: Incident Investigation

Module 3: Incident Data Collection and Analysis

Module 4: Accident Theory

Module 5: Modern Accident Causation Theories

Module 6: Analysis of Incident Investigation Data

**Academic Requirements:**

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

**Other:**

42 hours of contact work

5 BCRSP Points

BCRSP Domain: Management Systems (MS)