

Certificate in Occupational Health, Safety & Environmental Systems (OHS 145) Fire Management

Course Description

This course is meant to broaden one's knowledge and skills in fire safety. It will cover the standards and requirements for a Fire Prevention and Management Program and a range of fire prevention, protection and suppression systems.

Learning Objectives

Students who complete this course will learn:

- The financial, moral, social, and legal consequences of poor fire safety management
- The role of national governments and international bodies in formulating a framework for the regulation of fire safety
- The main sources of external fire safety information and the principles of their application
- The requirements for recording and reporting fire-related incidents
- The principles of the combustion process in relation to fire safety
- The principles and conditions for the ignition of solids, liquids, and gasses
- The classification of fires and their characteristics
- Appropriate control measures to minimize fire risks and explosions
- The means of fire protection and prevention of fire and smoke spread within buildings in relation to building construction and design
- The methods and systems available to give early warnings in case of fire – for both life safety and property protection
- The selection procedures for basic fire extinguisher methods- for both life risk and process risk
- The steps to minimize the environmental impact of fire and fire-fighting operations
- The development and maintenance of a fire evacuation procedure
- The aims and objectives of fire safety and risk assessments
- The principles and practices of fire safety risk assessments including principles of prevention

Grade Scheme: Letter Grade

Minimum Pass: 60%

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details of the course including grading and objectives may change or vary.

| Grade | Grade Point Average (GPA) | Percentage |
|-------|---------------------------|------------|
| A+ | 4.3 | 90-100% |
| A | 4.0 | 85-89% |
| A- | 3.7 | 80-84% |
| B+ | 3.3 | 77-79% |
| B | 3.0 | 73-76% |
| B- | 2.7 | 70-72% |
| C+ | 2.3 | 65-69% |
| C | 2.0 | 60-64% |
| C- | 1.7 | 55-59% |
| D | 1.3 | 50-54% |
| F | 0.0 | 0-49% |