

Learning Topic: Industrial hygiene.

Course Name: 3. Occupational Health & Working Environment

Reference Code : SAF 326

Description:

Industrial hygiene has been defined as “that science and art devoted to the anticipation, recognition, evaluation, and control of those environmental factors or stresses arising in or from the workplace, which may cause sickness, impaired health and well-being, or significant discomfort among workers.” This course develops your understanding of industrial hygiene terminology, principles and practices by examining four key processes in an effective industrial hygiene effort -- anticipation, recognition, evaluation, and control.

Course Objective:

This course will provide an excellent skills and knowledge base in Occupational Health and Risk Management. It will enable delegates working in industrial settings to:

- Integrate more fully in Risk Management and Loss Control,
- Moving away from the reactive to a proactive approach to health provision.
- Anticipate and identify health hazards that cause sickness, impaired health, significant discomfort, or inefficiency
- Recognize health problem and hazard during work processing;
- Determine and evaluate hazards through observation and measurement by scientific method (instrumentation) for the magnitude;
- Interpret result and give recommendations for control measures and improvement of work conditions.

Programme Methodology:

This training program is workshop-based with large capacity of training aid materials that provide meaningful experience for personnel that work in facilities where employees are exposed to industrial hazards.

The sessions include formal presentation, prepared in the Power Point, interspersed with directed discussion and case studies.

In addition to formal lectures and discussions, the delegates will learn by active participation through the use of problem-solving exercises, workshops and analysis of real-life case studies, and focused training videos.

United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road
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Kingdom of Saudi Arabia

Khobar Gate Tower
King Fahad Street , Khobar 31952

Kingdom of Saudi Arabia

101 Business Tower, 8th Floor
Al Jubail 35513, Bldg# 9278 ,KSA

Who Should attend?

- Occupational Health Professionals including
- Occupational Health Doctors and Nurses,
- Industrial First Aiders.
- Medical /Para-medical personnel working in an industrial
- Occupational Health & Safety Managers / Operatives,
- Loss Control Officers,
- Safety Representatives

Course Outline:

1. Introduction to Occupational Health and Hygiene

- Introduction to the basic principles of occupational health and hygiene
- Review of roles and functions of industrial hygienists
- Occupational Safety and Health management
- The fundamental principles of establishing a safe system of work
- Introduction to health risk assessment
- Health screening and surveillance -Basic principles
- Identification of occupational hygiene control strategies

2. Chemical Agents

- Chemical hazards at work
- Introduction to toxicology
- Control of substances hazardous to health
- Assessment and monitoring of hazardous substances
- Occupational exposure limits
- Controlling hazardous substances
- Personal protective equipment
- Group workshop

3. Physical Agents

- **Noise - Its measurement, evaluation and control**
 - *Effects of noise on human health*
 - *Establishing a hearing conservation program*
 - *Principles of undertaking a noise survey*
 - Workshop.

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- **Vibration - its measurement, evaluation and control**
 - *Effects of hand arm and whole body vibration on human health*
 - *Assessing human vibration exposures*
 - *Controlling vibration*
- **Heat Stress and Strain**
 - *Effects of heat*
 - *Evaluating heat stress*
 - *Controlling the risks from heat*
 - *Introduction to thermal comfort*

4. Radiation, Biological Agents and Ergonomics

- Hazards from radiation covering both ionizing and non-ionizing sources
- Controlling radiation hazards
- Biological hazards in the workplace
- Managing the risk of legionnaires' disease
- Introduction to occupational ergonomics
- Manual handling and musculoskeletal risks
- Assessment and control of risks during manual handling operations

5. Management

- Managing occupational health risks
- Promoting occupational health programs
- Development of action plans
- Extended exercise - case study
- Final comprehensive test
- Course Review.

Course Duration	Date	Venue	Course Fee
5 Days			

Time: 08:00 AM -03:00 PM

Numbers of hours: 30 Hours.

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