
ABI11110 – ABIOSH International Certificate in Environmental and Pollution Management©

This course provides the students with the opportunity to expand their understanding of environmental management as a means of reducing consumption; and avoiding, minimising or reducing pollution of the environment with a focus on the developed and developing world. The course examines the statutory frameworks and policy measures for preventing and managing pollution, and for improving resource efficiency. Relevant regional and international legislation and policy are also examined. Interesting and innovative examples of pollution control and resource management from industry will be presented and examined.

Pre-Requisite:: None

Duration:: 1 Week

TARGET AUDIENCE

- Safety Professionals
- Environmental Professionals
- Marine Specialists
- Healthcare Workers
- Relief and disaster management personnel
- Those holding environmental responsibilities

COURSE CONTENTS

UNIT EPM 1: Principles of Environmental and Pollution Management

Element 1: Fundamentals of Environmental and Pollution Management

- Introduction to environmental and pollution management
- Linkages between environmental and occupational health
- Linkages between food and agriculture
- Industrial Pollution in developing countries
- Developing countries and pollution

Element 2: Environmental Health Hazards

- Air pollution
- Land Pollution
- Water Pollution
- Energy and Health
- Urbanization
- Global climate change and ozone depletion

- Biodiversity loss and human health

Element 3: Environmental Policy

- Occupational safety and health and the environment
- Sustainable development and the working environment
- Laws and regulations
- International environmental conventions
- Life-cycle assessment (cradle-to-grave)
- Risk assessment and communication
- Environmental management strategies and workers protection
- Environmental pollution control and corporate priority

Element 4: Environmental Pollution Control

- Environmental pollution control and prevention
- Air pollution management
- Air pollution
- Air pollutant dispersion
- Air quality monitoring
- Air pollution control
- Water pollution control
- Principles of waste management
- Solid waste management and recycling
- Cleaner production technologies

Element 5: Health Care Waste Management

- Introduction to healthcare waste
- Human health and environmental impacts
- Approach to health care waste management
- Health care waste Strategy Action Plan
- Components of Health care waste and their associated health hazard
- Personnel Protective Equipment (PPE) for Healthcare Waste Workers
- Health care waste management policy strategies
- Roles and responsibilities
- Health care waste management essentials
- Health care waste treatment and disposal options

Best practice health care waste incineration

Element 6: Marine Pollution and Management

- Marine Pollution in Context: Causes and Effects

- Air Pollution and Greenhouse Gas Emissions by shipping activities
- Oil Pollution and Offshore Activities
- Marine Environmental Measurement and Management Systems
- Legal Issues, Including Insurance and Compensation

Element 7: Environmental Management System (EMS)

- Introduction to EMS and standards
- Initial Environmental Review
- Aspects & impacts identification
- Environmental legal & other requirements
- Developing and implementing an environmental policy & statement
- EMS Manual
- Environmental Programmes
- Setting Environmental Objectives and targets
- Environmental Auditing

Element 8: Environmental Impact Assessments

- The purpose of Environmental Impact Assessment
- Legislation covering Environmental Impact Assessment
- The stages of Environmental Impact Assessment
- Preparing an Environmental Statement
- The procedures for submitting an Environmental Statement
- Consultation & communication
- Mitigation and monitoring of environmental impacts
- Strategic Environmental Assessment

UNIT EPM 1: Principles of Environmental and Pollution Management

This consists of an individual project carried out by the student's individually at their workplace applying the knowledge learnt throughout the course

EXAM STRUCTURE

Unit 1: – 2 hours written exams

Unit 2: – Individual project work to be submitted no later than 3 weeks after the written exam

Course Material including example answer available through ABIOSH on info@abiosh.com