



HSE245

Environmental Infection Control

Course Introduction:

This is a course for health care professionals designed to relay the latest in techniques and methods for the control of infection and disease transmission.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- ✓ Gain a better understanding of the latest techniques and practices in evidence based infection control principles, disease transmission, and control practices
- ✓ Identify the types of common infection problems through basic review of microbiology
- ✓ Discuss the overview and principles of epidemiology including epidemiological control and the mathematical theories of disease and other diseases transmission and infection
- ✓ Recognize the evidence based of practices in infection control these also includes the equipment, disinfection, lighting and etc.
- ✓ Understand the International Infection Control Standards

Who Should Attend?

This course is intended for health care professionals of all kinds and especially those who work with critical health care segments where infection and re-infection is a possibility.

Course Outline:

Day 1:

- Introduction
- Pre-Test
- Basic Review of Microbiology
 - Types of common infection problems
- Overview and Principles of Epidemiology
 - Basics of disease transmission
 - Mathematical theories of disease and epidemiological control (the Zombie Model)
 - Airborne Pathogens and Legionella
 - Surface Contamination
 - Sterilization
 - Re-infection from Re-use

Day 2:

- Evidence Based Infection Control Practices
 - The problems of re-use in poor neighborhoods & clinics
 - Equipment sources
 - Equipment disinfection
 - Large surface disinfection
 - Aerosol Controls
 - Insect and other Vectors
 - Sealing the work areas effectively
 - Dusts and Spores
 - Lighting & its control

Day 3:

- International Infection Control Standards
- Basic and some advanced statistics in infection measurement and control
- Hospital Management
 - Infection Control Supervisor
 - Training requirements for nurses
 - Protection of the Hospital and Service Staff
- Isolation facilities- what is needed/required
- Importance of Proper Waste and Sharp disposals

Day 4:

- Elements and Principles of an effective Infection Control Program
- Program Management
- The infection control committee
- Specific Problem Discussions & Examples

Day 5:

- Equipment and you
- How to protect yourself from becoming infected while helping others
- SARS prevention
- EBOLA Prevention
- Properties of various protective equipment
 - Respiratory Protection
 - Gloves
 - Suits, boots & drapes

Post-Test/Awarding of Certificates

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per the course location. This rate includes participant's manual, Hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session