

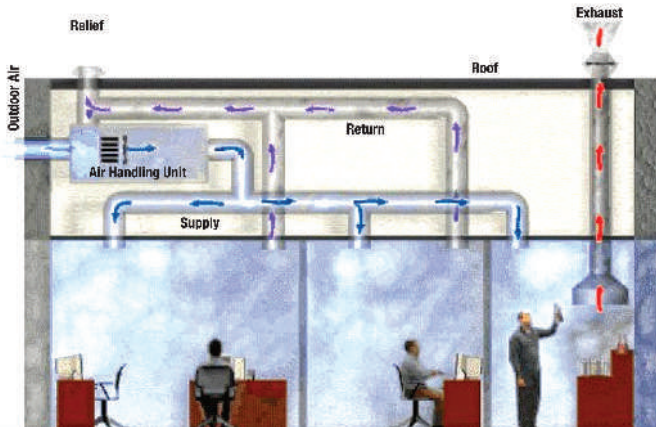
IAQ HAZARD

- IAQ is literally HVAC and HVAC is IAQ.

Poor Indoor air quality closely related to insufficient HVAC operation and maintenance system

Problems:

- Insufficient air circulation
- Outside contaminant pathway
- Temperature and humidity extremes



TYPICAL HVAC SYSTEM

BIOLOGICALS AGENT

DISEASE	SYMPTOMS	AGENT AND SOURCES
LEGIONNAIRE'S DISEASE	PNEUMONIA	HOT WATER SERVICE SYSTEM, COOLING TOWERS
HUMIDIER FEVER	INFLUENZA-LIKE	ENDOTOXIN IN HUMIDIER FEVER
HYPERSENSITIVITY PNEUMONITIS	ACUTE FEVER AND COUGH, FIBROSIS OF LUNG	FUNGI AND BACTERIA GROWING IN THE HVAC SYSTEM
ASTHMA	CONSTRICTION OF THE AIRWAYS	FUNGI, BACTERIA, HOUSE DUST MITES
PULMONARY HEMOSIDEROSIS	BLEEDING IN LUNGS	STACHYBOTRYS AND OTHER FUNGI

INDOOR AIR QUALITY COURSE

Course Title : **Indoor Air Quality Assessor**
 Course Code : **IAQ**
 Course Duration : **5 Day(S) / 34 Hour(S)**
 Course Category : **Competency**
 Course Level : **Basic**
 HRDF Scheme : **SBL**
 Course Fee : **Rm 3,180.00 (Including GST)**
 Examination Fee : **Rm 742.00 (Including GST)**

OBJECTIVES

At the end of the course, the participant will be able to:

- ✓ To conduct assessment and monitoring on indoor air quality
- ✓ Register with DOSH as a competent person

TARGET GROUPS

This course is designed for those who intend to be competent person for conducting the assessment and monitoring on indoor air quality.

ENTRY REQUIREMENT(S):

At least Diploma in pure or applied science and has one (1) year experience in measurement of airborne chemical.

NOTE: Please refer to Code of Practice on Indoor Air Quality by the Department of Occupational Safety and Health, Ministry of Human Resources Malaysia 2005 if you would like to be a Register Indoor Air Quality Assessor.

TOPICS

- Introduction on IAQ
- Legislative Requirement
- COP and Related Standards
- Indoor Air Contaminants and Health Effects
- Building Sciences
- HVAC
- Control of IAQ problem
- Handling and Control of IAQ Complaints
- Sampling Strategy and Methodology
- Practical Session - Gathering Information
- Instrumentation and Hands On
- Practical Session - Assessment and Monitoring
- Troubleshooting on the system
- Report Writing and presentation



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INDOOR AIR QUALITY

