

Masterclass in Indoor Air Quality

Faculty of Health and Sport Sciences

Introduction

Indoor air quality describes how inside air can affect a person's health, comfort and ability to work. It may include parameter such as temperature, humidity, mould, bacteria, poor ventilation or exposure to other chemicals. Indoor air pollution has received little attention in the past compared with air pollution in the outdoor environment. Poor indoor air quality can lead to discomfort, ill health and in the workplace, absenteeism and lower productivity. Good indoor air quality is required for a healthy indoor work environment. Poor indoor air quality can cause a variety of short-term and long-term health problems such as allergic reactions, respiratory problem, eye irritation, sinusitis and others. Legal compliance has become an issue that is rather complicated and needs special and serious attention.

The learning objective is to understand the how indoor air quality affect the health of the occupants.

Content

An overview of Indoor Air Quality
Impact of IAQ on Productivity and Health
Standards/Guidelines of IAQ
IAQ Parameters and Measurements for Buildings
Air-Conditioning & Mechanical Ventilation (ACMV) for Good IAQ
Inspection, Operation and Maintenance of the ACMV System
Action for Improvement

What will you learn?

- Effect of indoor air quality on productivity and health of occupants
- Standards and legal requirements on indoor air quality
- IAQ parameters and its measurement
- Air conditioning and mechanical ventilation
- Inspection, operation and maintenance of the ACMV for continual improvement

Who Should Attend?

This master class is designed for students who want to gain extra knowledge in Indoor Air Quality

Duration

7 hours

Certification

Certificate of Completion by MAHSA University

Fee

MAHSA Students
RM 280

Public Participants
RM 350

 1800-88-0300

 +603 - 5102 2200

 marketing@mahsa.edu.my

MAHSA UNIVERSITY

Jalan SP2, Bandar Saujana Putra, 42610 Jenjarom,
Kuala Langat, Selangor, Malaysia

www.mahsa.edu.my

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