

# SHORT COURSE ON INDUSTRIAL HYGIENE

Weekly 3-hour classes from 15 January to 15 April 2016

## COURSE OBJECTIVES

This course provides an intensive and comprehensive review of industrial hygiene (IH). Safety and health professionals who need refresher or are seeking an all inclusive review of industrial hygiene at the workplace will benefit significantly from the course content.

Attendees should have a basic understanding of industrial health, mathematics, statistics and chemistry. This course will be conducted over 13 weeks (3 hours per week on Friday evenings).

## WHO SHOULD ATTEND

Safety, Health and Environment Officers, Designated Workplace Doctors, Occupational Health Nurses, Industrial Hygienists, EHS Managers/ Professionals and those with responsibility for the control and management of health hazards at the workplace.

Participants will be given a latest copy of the ACGIH (American Conference of Governmental Industrial Hygienists) booklet on Threshold Limit Value (TLV<sup>®</sup>) and Biological Exposure Indices (BEIs<sup>®</sup>).

## TEACHING FACULTY

### **Adj Assoc Professor Tan Kia Tang**

Senior Consultant , Occupational Safety and Health Specialist Department, Ministry of Manpower (Singapore)/ Saw Swee Hock School of Public Health, NUS

### **Assoc Professor Tham Kwok Wai**

Immediate Past Head, Department of Building, School of Design and Environment, NUS

### **Adj Asst Professor Chan Chung Tsing Gregory**

Senior Specialist Physician, The Occupational and Diving Medical Centre/ Saw Swee Hock School of Public Health, NUS

### **Adj Asst Professor Kenneth Choy**

Deputy Director, Occupational Health Department, Occupational Safety and Health Division, Ministry of Manpower (Singapore)/ Saw Swee Hock School of Public Health, NUS

### **Dr Phua Tan Tee**

Senior Consultant, Radiation Protection & Nuclear Science Department, NEA

### **Ms Veronica Chow**

Senior Assistant Director (Occupational Hygiene), Occupational Safety and Health Department, Ministry of Manpower (Singapore)

### **Ms Lim Yan Ting**

Senior Specialist (Occupational Hygiene), Ministry of Manpower (Singapore)

### **Ms Collen Low Chin Hong**

Principal Specialist (Occupational Hygiene), Occupational Safety and Health Department, Ministry of Manpower (Singapore)

### **Mr Ang Boon Tian**

Regional Industrial Hygienist, Asia Pacific, Shell Eastern Petroleum (Pte.) Ltd

### **Ms Goh Joo Eng Cindy**

Senior Manager, SingHealth Institutional Biosafety Committee

### **Mr Eric Ng Teck Seng**

Managing Director, Absolute Instrument Systems (Pte.) Ltd.  
Technical Manager, Absolute Laboratories Pte. Ltd.



## COURSE CONTENTS

- ✓ Principle of Industrial Hygiene
- ✓ Workplace Safety and Health Act and Relevance to Occupational Hygienists
- ✓ Aerosols, Gases & Vapours
- ✓ Air Sampling: Methods, Chemistry, Statistics and Interpretation
- ✓ Thermal Stressors
- ✓ Industrial Noise
- ✓ Ventilation
- ✓ Indoor Air Quality
- ✓ Hygiene Issues in Different Industries and Processes
- ✓ Chemical Safety
- ✓ Biosafety
- ✓ Medical Surveillance & Use of Biomarkers
- ✓ Ionising and Non-ionising Radiation
- ✓ Permissible Exposure
- ✓ Workplace Health Risk Assessments
- ✓ Confined Space
- ✓ Industrial Lighting

### Course Administrator:

Ms Gina Goh  
[T] (65) 6516 7594  
[E] [junna\\_goh@nuhs.edu.sg](mailto:junna_goh@nuhs.edu.sg)

## COURSE FEES

**SGD1,337.50** (including prevailing GST)

Course fees include lecture materials.

Closing date for registration: **16 DECEMBER 2015**

Applications are on “first-come-first-serve” basis. Successful applicants will be informed no later than **21 DECEMBER 2015** and course fees must be received by **4 JANUARY 2016** to secure a place.

## CANCELLATION

Any cancellation must be conveyed to the course administrator in writing via email.

A cancellation charge of 50% of fee will be levied if the cancellation is received before **4 JANUARY 2016**

**NO REFUNDS WILL BE GIVEN FROM 4 JANUARY 2016 ONWARDS** but replacement with another name is permissible.

## ACCOMMODATION

The course is non-residential.

## CONTACT INFORMATION

### Course Coordinators:

Adjunct Assistant Professor Gregory Chan  
[T] (65) 6516 5969  
[E] [gregory\\_chan@nuhs.edu.sg](mailto:gregory_chan@nuhs.edu.sg)

Adjunct Associate Professor Tan Kia Tang  
[E] [kia\\_tang\\_tan@nuhs.edu.sg](mailto:kia_tang_tan@nuhs.edu.sg)

**REGISTRATION AT: [HTTP://TINYURL.COM/SSHSPH-IH2016](http://tinyurl.com/SSHSPH-IH2016)**



Image Source: CDC/NIOSH. 1998. Aaron L Sussell

Address: Tahir Foundation Building, 12 Science Drive 2, #10-01, Singapore 117549

URL: <https://www.sph.nus.edu.sg/>