



The Institute of Safety  
& Health Practitioners  
安全健康師學會

HK工E THE HONG KONG  
INSTITUTION OF ENGINEERS  
香港工程師學會

Associate Members Committee  
仲會員事務委員會



ED Reg. No.:519480

港青專業進修書院(夜校)  
YMCA College of Continuing Education (Evening)

# 防火安全管理證書課程

## *Certificate in Fire Safety Management*

*Course Code: SFS4200100*



# Certificate in Fire Safety Management

## 1. Course aims and objectives:

Fire Safety Management is very important in the concept of providing total safety in a building. For new buildings, fire safety management should be planned at the design stage of fire safety provisions using the 'engineering approach'. The fire safety objectives should be stated clearly in a fire safety manual as proposed. For existing buildings, the fire safety provisions are recommended to be assessed with a ranking system on the passive building design and active fire protection system by comparing with the new fire codes. Fire safety management program is then worked out with reference to the inadequacy on those hardware provisions.

With the above approach, the Certificate Course in Fire Safety Management is developed and designed to assist building managers and engineers to cope with the existing need of improving the fire safety in various buildings. This course provides practical knowledge on planning and management of fire prevention and protection systems. An overview of the legal requirements on fire safety is also included in the program. **Upon completion of the training, participants will be able to draw up a Fire Safety Plan for their workplace and to implement all fire safety measures as prescribed in the Plan successfully.**

## 2. Course Content:

### **Module 1 Fire Safety Legislations in Hong Kong**

Common provisions of the legislation related to fire safety will be extracted and delivered. Lectures will focus on practical application of the relevant legislation mainly about provision and maintenance of fire service installations, fireman's lift, emergency vehicular access, types and enforcement of fire hazard, improvement to fire safety measures in old buildings etc.

### **Module 2 Fire Services Installations**

Fire Services Installations (FSI) in buildings of various types and buildings under construction will be extracted and delivered from the Code of Practices of Fire Services. Legal requirements and the engineering approaches of providing FSI in buildings of special design. Functions and use of various common FSI in buildings and the registered FSI contractors will be covered.

### **Module 3 Fire Science and Safety in Buildings**

Fire engineering and roles of fire engineers, impact of fire on various sectors of the society will be discussed. Chemistry of fire and fires in gases, liquid and solid will be elaborated in relations to buildings in fire will be covered. The interested topics on compartment fire, fire development and the backdraft and flashover are included. The principles of active fire protection and passive fire protection will be introduced and its major functions will be elaborated.

#### **Module 4 Building Regulations on Fire Safety**

Code of Practice on Means of Escape, use of building materials in building construction, fire resisting construction including compartmentation in buildings of various types in accordance with the Building Legislations will be extracted and delivered. Additions and Alternations for building modifications at various stages of building work will be elaborated in details. Its legal requirement and the illegal removal of the structure of any building elements will be covered.

#### **Module 5 Emergency Planning and Fire Safety Plan**

Emergency planning in buildings and occupancies of various types and building under construction; fire drills and emergency evacuation procedures; fire safety management in buildings of various types and buildings under construction will be discussed; drafting and implementation of fire safety plan for buildings of various types including various elements of the fire safety management, such as safety policy, audit of resources, emergency fire organization, training of staff, safety promotion, safety inspections and all fire safety equipment maintenance etc. will be delivered.

### **3. Speakers:**

**Ir Ng Bong Loy** - Ir Ng is a retired Chief Fire Officer of the Fire Services Department. With his 37 years working experience as a fire officer, Ir Ng has all-round knowledge and extremely rich experience and professionalism in fire safety management, fire protection requirements, firefighting and rescue operations etc. Ir Ng also has a solid grasp of fire engineering knowledge and applications. He is at present a Registered Professional Engineer (fire), member of the Hong Kong Institution of Engineers (Fire) and the Institution of Fire Engineers as well.

**Professor Andrew W Wong** - Professor Wong has over 42 years of professional fire service experience in Hong Kong and in Canada. Professor Wong was the Founding President of The Institution of Fire Engineers Canada Branch. He has been Senior Divisional Officer in Hong Kong and Executive Officer of the City of Vaughan Fire and Rescue Service in Ontario, Canada. Professor Wong was a professor of the Toronto-based Seneca College of Applied Arts and Technology for over 17 years. He was instrumental in teaching Fire Safety Planning in Canada. His Canada-based consulting company is specialized in preparing site-specific fire safety plans for various occupancies and training of staff in the implementation of the fire safety plans.

**Ir Lam Man Yiu** - Ir Lam has 30 years of practical fire-fighting and fire safety law enforcement experiences and retired from the local fire department for about two years. He had also acquired international experience from being a firefighter in the Fire Department of the City of Toronto, Ontario of Canada for 10 years. During his stay in Canada, he had participated in promoting the fire professionalism as a founding member of the Canada Branch of the Institution of Fire Engineers. Ir Lam is presently a Chartered Fire Engineer of the Institution of Fire Engineers, UK and currently engaged in teaching fire science subjects of tertiary level.

**Mr John H Y Yip** - Mr Yip is a Chartered Building Surveyor and is the Director of John H Y Yip Surveyors Ltd. He is a Registered Inspector, 中國監理工程師 (互認資格), Authorized Person, Registered Project Management Surveyor, Registered Professional Surveyor (Building Surveying Division), member of the Hong Kong Institute of Surveyors. Mr Yip has been working for consultancy companies over 18 years specializing in project management for development and refurbishment projects, property development consultancy, feasibility studies, building consultancy services work, which includes building surveys, maintenance, additional and alternations, refurbishment, and fire safety upgrading works for all kinds of properties.

*Note: The above speakers will take up the major parts of the training program.*

**Program Advisor:**

**Dr Ko Yu Chun** - Dr Ko is a registered psychologist and a 35 years veteran of the fire services in Canada and Hong Kong. He was the Founding Vice President/Secretary of The Institution of Fire Engineers Canada branch and was also a member of the Professional Standards Setting Body for fire services in Ontario Canada. Dr Ko is currently actively involved in tertiary education in the fields of fire safety engineering, psychology and management.

**4. Target group:**

Engineering professionals in building management and facility services, safety officers, safety auditors, industrial entrepreneurs, the management, and any personnel who want to obtain advance knowledge in planning and management of fire safety and prevention systems

**5. Time and duration:** 36 hours; 12 sessions (7 p.m. to 10 p.m.)

**6. Venue:** YMCA College of Continuing Education (6/F, 41 Salisbury Road, TST, Kowloon, Hong Kong)

**7. Course fees charged per participant:**

Category of enrolment	Fee per participant	Remarks
Normal	HK\$4,800	Enrol after 30 Oct 2013 for 14 Nov 2013 intake
Early bird	HK\$4,500	Enrol on or before 30 Oct 2013 for 14 Nov 2013 intake

*Extra discount of HK\$300 will be offered to the members of the organizers and supporting organizations*

**8. Commencement of next intake:** 14 November 2013

**9. Medium of instruction:** Cantonese with English hand-out

## 10. Award of certificate:

Participants whom have attended at least 75% of the classroom sessions and satisfactorily completed the course assignment will be awarded a certificate of completion with 36 CPD-hour, issued by The Institute of Safety & Health Practitioners (ISHP), The Hong Kong Institution of Engineers – Associate Members Committee (HKIE-AMC) and other supporting organizations.

## 11. Application deadline: 6 November 2013

## 12. General notes to applicants:

- Enrolment Address: Member Services Counter, G/F, 41 Salisbury Road, TST, Kowloon, Hong Kong (8 a.m.-10 p.m., Monday to Sunday)
- Enrolment can be done in person at the Members Services Counters by completing the application form and submitting it with HK\$50 application fee and relevant documents (membership card or Certificate of related association or institution). Alternatively, application may be sent (with a crossed cheque for HK\$50 application fee) by mail to the “Member Services Counter, G/F., 41 Salisbury Road, TST, Kowloon, Hong Kong”. The Application fee paid by crossed cheque should be made payable to “YMCA OF HONG KONG”.
- Upon acceptance, applicant will be informed to pay tuition fee in full on the date specified in acceptance letter.



**Program Organizer:** The Institute of Safety and Health Practitioners

**Program Co-organizer:** The Hong Kong Institution of Engineers - Associate Members' Committee

**Program Supporting Organization:** China Hong Kong Fire Protection Association

**Program Provider:** Lawrence Ho Consultancy

**Program Operator:** YMCA College of Continuing Education



**Enquiries: 2268 7733**

**Website: [www.ymcahkcollege.edu.hk](http://www.ymcahkcollege.edu.hk)**

**Address: 6/F, 41 Salisbury Road, TST, Kowloon, Hong Kong**