



香港聲學學會 Hong Kong Institute of Acoustics

Supporting Organizations:

CIWEM
Chartered Institution of
Water and Environmental
Management
Hong Kong Branch



HKIQEP
香港環專會

Professional Certificate on Acoustics, Noise and Vibration Control

The Hong Kong Institute of Acoustics (HKIOA) in association with the supporting organizations of The Chartered Institution of Water and Environmental Management Hong Kong Branch (CIWEM-HK), The Environmental Management Association of Hong Kong (EMAHK), Hong Kong Institute of Environmental Assessment (HKIEIA), Hong Kong Institute of Environmental Protection Officers (HKIEPO) and Hong Kong Institute of Qualified Environmental Professionals (HKIQEP) are proud to present the following two elective courses of this certificate course for candidates who have passed the compulsory courses :

Elective Module 1^: Understanding Basic Soundscape (Total: 8+1 Hours)

In the past and even now, traditional noise control approach has been frequently employed for addressing noise annoyance. Recently, the concept of soundscape has been emerged as an alternative and/or supplementary approach to improve the quality of acoustic environment. Soundscape approach regards sounds as resources rather than pollutants or wastes.

This module comprises of two 3-hour lecture sessions and one 2-hour field experience session. It briefly introduces the historical development and concept of soundscape with daily-life interactive examples. In addition, the basic principles of mixed sounds, and audio-visual-thermal interactions as well as the related research findings will also be discussed in light of acoustic environment design. The objective of this course is to enrich candidates with basic soundscape concept and its latest developments, and to facilitate candidates in applying the soundscape concept in future acoustic design.

- Session E1_1: Understanding Basic Soundscape (Part 1)
- Session E1_2: Understanding Basic Soundscape (Part 2)
- Session E1_3: Understanding Basic Soundscape (Field Trip)

Elective Module 2^: Noise Source Measurements and Mitigations for Railway, Construction Sites and Fixed Plants (Total 8+1 Hours)

This elective module aims to provide a practicable overview of the common noise source measurements and mitigation measures for railway, construction sites and fixed plants. Airborne and groundborne railway noise measurements, rail roughness measurement, track decay rate measurements, railway noise source identification and control, sound power level measurements and noise barrier/enclosure insertion loss measurements, trending technologies for quiet construction work, noise source measurements and mitigation for fixed plant noise will be introduced.

- Session E2_1: Noise Source Measurements and Mitigations – Railway (Part 1)
- Session E2_2: Noise Source Measurements and Mitigations – Railway (Part 2)
- Session E2_3: Noise Source Measurements and Mitigations – Construction Sites
- Session E2_4: Noise Source Measurements and Mitigations – Fixed Plants

*assessment to be conducted for each module

^candidate(s) who passed 2 compulsory modules previously and 1 elective module should have received 40 hours of professional education in acoustic and vibration. They will be considered fulfilling the corporate membership education requirements of HKIOA as have been educated in acoustics or in a discipline relevant to the practice of acoustics.

Fees, Certificates, Language, Enquiry and Registration

Certificate	Professional certificate will be issued by HKIOA to the candidates who have completed and passed the assessment (examination).
Language	English supplemented with Cantonese
Venue	Elective Module 1: Face-to-face lecture at Business Environmental Council (BEC) Elective Module 2: Online means such as Zoom or MS Teams
Fees	<p>For Members of HKIOA or Supporting Organizations HK\$2,000 for 1 Elective Module</p> <p>For Other Participants HK\$4,000 for 1 Elective Module <i>*Once payment is made, it is not refundable.</i></p>
Enquiry and Registration	Reservations will be confirmed upon receipt of payment and availability of places in first-come-first-served basis. Successful applicants will be informed via e-mail. The HKIOA reserves the right to change the course topics, time, speakers and venue, etc. Course information/registration form is also available from web sites www.hkioa.org . Enquiries can be given to Course Administrator.
Course Administrator	Dr. Horus CHAN and Dr. Gary YUEN Email: education@hkioa.org
Deadline of Application	10 May 2023
Course Coordinators	Dr. Mors LEUNG, Mr. Alson Pang and Mr. Ken WONG

Date, Time and Venue

Session	Topic	Date/Time (Venue)	Speakers
E1_1	Understanding Basic Soundscape (Part 1)	23 May 2023 / 18:30 – 21:30 (BEC)	Dr. CK Chau
E1_2	Understanding Basic Soundscape (Part 2)	30 May 2023 / 18:30 – 21:30 (BEC)	
E1_3	Understanding Basic Soundscape (Field Trip/Workshop)	27 May 2023 / 10:00 – 12:00	
E2_1	Noise Source Measurements and Mitigations – Railway (Part 1)	18 May 2023 / 18:30 – 20:30	Ir. Wilson Ho/ Dr. Cindy Cheung
E2_2	Noise Source Measurements and Mitigations – Railway (Part 2)	25 May 2023 / 18:30 – 20:30	
E2_3	Noise Source Measurements and Mitigations – Construction Sites	1 Jun 2023 / 18:30 – 20:30	
E2_4	Noise Source Measurements and Mitigations – Fixed Plants	8 Jun 2023 / 18:30 – 20:30	
S1	Assessment for Elective Module 1 or 2	22 June 2023 / 19:00 – 20:00 (BEC)	-

The HKIOA reserves the right to change the course topics, venue, date, time and speakers if necessary.

Registration



Please register online via:
<https://forms.gle/CwMVQikkh7ZeBELs5>

Notes:

1. Please settle the fee by bank transfer, cash deposit or cheque deposit with your name and contact at the back, to HSBC Bank in favor of Hong Kong Institute of Acoustics Limited - Account No. 004 400-374401-838.
2. Please email the copy of payment receipt to education@hkioa.org and treasurer@hkioa.org for application on or before Deadline of Application
3. Reservations will be confirmed upon receipt of payment and availability of places. Successful applicants will be informed via e-mail.
4. Payment is non-refundable.
5. The enrollment will be made on first-come-first-served basis.
6. The HKIOA reserves the right to allot the registration to members of HKIOA and supporting organizations in case of over subscription.
7. The HKIOA reserves the right to change the course topics, venue, date, time and speakers if necessary.
8. Course information/registration form is also available from web sites www.hkioa.org
9. The discounted fee is applicable to **Current Member** of HKIOA and supporting organizations.
10. Course materials can be downloaded from website/ftp which will be advised through email to the candidates before commencement of course.
11. Course materials provided shall be used solely for this course and shall not be sold, reused, rented, loaned, or otherwise disclosed to third party