



Supporting Organizations:



## Professional Certificate on Acoustics, Noise and Vibration Control

### Programme Highlights and Course Outline

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 this certificate course with a structured framework comprising basic acoustics, noise control concept and management to local professionals. The outlines of the courses are:

#### **Module 1: Fundamentals in Acoustics and Noise Control (Compulsory 1<sup>^</sup>) Total 18 Hours**

- Session 1: Basic Acoustics Principle (Part 1)
- Session 2: Basic Acoustics Principle (Part 2)
- Session 3: Basic Acoustics Principle (Part 3)
- Session 4: Architectural Acoustics (Part 1)
- Session 5: Architectural Acoustics (Part 2)
- Session 6: Noise Control & Ordinance (Part 1)
- Session 7: Noise Control & Ordinance (Part 2)
- Session 8: Noise Control & Ordinance (Part 3) / Noise Pollution Sources and Impacts
- Session 9\*: End of Assessment for Fundamentals in Acoustics and Noise

#### **Module 2: Noise Modelling, Monitoring and Measurement (Compulsory 2<sup>^</sup>) Total 18 Hours**

- Session 10: Calculation of Road Traffic Noise Methodology
- Session 11: Noise Prediction Modeling (Part 1)
- Session 12: Noise Prediction Modeling (Part 2)
- Session 13: Experience and Practical Solution on Road Traffic Noise Assessment
- Session 14: Noise Monitoring & Measurement (Part 1)
- Session 15: Noise Monitoring & Measurement (Part 2)
- Session 16: Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation
- Session 17: On-site Road Traffic Noise Measurement (Site Practices)
- Session 18\*: End of Assessment for Noise Modelling, Monitoring and Measurement

\*examination to be conducted for each module

<sup>^</sup>elective modules will be announced in the next stage. candidate that passed these 2 compulsory modules and other elective module(s) with overall not less than 40 hours are considered fulfilling the membership requirements of HKIOA as have been educated in acoustics or in a discipline relevant to the practice of acoustics.

Note: The HKIQEP Professional Assessment (Part I) syllabus on noise is also covered in this course.

### Fees, Certificates, Language, Enquiry and Registration

<b>Certificates</b>	Professional certificates (with CPD) will be issued by HKIOA to the participants after completed and passed the examination (assessment) for each module.  The Professional Certificates will be recognized as HKIOA continuous professional development (Partial).
<b>Language</b>	English supplemented with Cantonese
<b>Online</b>	Zoom or MS Teams

<b>Platform:</b>	*Location of Session 17: Practical Session On-site Road Traffic Noise Measurement is to be confirmed
------------------	--

<b>Fees</b>	<p><b>For Members of HKIOA or Supporting Organizations</b>  HK\$3,500 for Module 1 (Sessions 1 – 9)  HK\$3,500 for Module 2 (Sessions 10 – 18)</p> <p><b>For Other Participants</b>  HK\$7,000 for Module 1 (Sessions 1 – 9)  HK\$7,000 for Module 2 (Sessions 10 – 18)</p>
<b>Enquiry and Registration</b>	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 organizers reserve the right to change the course topics, time and speakers. Course information/registration form is also available from web sites <a href="http://www.hkioa.org">www.hkioa.org</a> . Enrollment will be made on first-come-first-served basis. Enquiries can be given to Course Administrator.
<b>Course Contact</b>	Dr. Horus CHAN and Dr. Gary YUEN Email: <a href="mailto:education@hkioa.org">education@hkioa.org</a>
<b>Deadline of Application</b>	16 Aug 2022
<b>Course Coordinators</b>	Dr. Mors LEUNG, Dr. Clief TANG, Mr. Alson Pang and Mr. Ken WONG

## Date, Time and Venue

Session	Topic	Date/Time	Speakers
<b>S1</b>	Basic Acoustics Principle (Part 1)	01 Sep 22 / 18:30 – 20:30	Dr. Calvin CHIU
<b>S2</b>	Basic Acoustics Principle (Part 2)	03 Sep 22 / 10:30 – 12:30	
<b>S3</b>	Basic Acoustics Principle (Part 3)	05 Sep 22 / 18:30 – 20:30	
<b>S4</b>	Architectural Acoustics (Part 1)	06 Sep 22 / 18:30 – 20:30	Mr. Henry CHAN
<b>S5</b>	Architectural Acoustics (Part 2)	08 Sep 22 / 18:30 – 20:30	
<b>S6</b>	Noise Control & Ordinance (Part 1)	13 Sep 22 / 18:30 – 20:30	Mr. Joe LEUNG
<b>S7</b>	Noise Control & Ordinance (Part 2)	14 Sep 22 / 18:30 – 20:30	
<b>S8</b>	Noise Control & Ordinance (Part 3) Noise Pollution Sources and Impacts	16 Sep 22 / 18:30 – 20:30	
<b>S9</b>	Assessment for Fundamentals in Acoustics and Noise Control	24 Oct 22 / 19:00 – 21:00 Business Environmental Council	-
<b>S10</b>	Calculation of Road Traffic Noise Methodology	19 Sep 22 / 18:30 – 20:30	Mr. Frankie CHIU
<b>S11</b>	Noise Prediction Modeling (Part 1)	21 Sep 22 / 18:30 – 20:30	Mr. Benson LEE
<b>S12</b>	Noise Prediction Modeling (Part 2)	23 Sep 22 / 18:30 – 20:30	
<b>S13</b>	Experience and Practical Solution on Road Traffic Noise Assessment	26 Sep 22 / 18:30 – 20:30	Mr. Frankie CHIU
<b>S14</b>	Noise Monitoring & Measurement (Part 1)	28 Sep 22 / 18:30 – 20:30	Mr. CL WONG
<b>S15</b>	Noise Monitoring & Measurement (Part 2)	30 Sep 22 / 18:30 – 20:30	
<b>S16</b>	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation	03 Oct 22 / 18:30 – 20:30	Mr. Ivan HO
<b>S17*</b>	On-site Road Traffic Noise Measurement (Site Practices)	08 Oct 22 / 09:30 – 11:30	

Session	Topic	Date/Time	Speakers
S18	Assessment for Noise Modelling, Monitoring and Measurement Certificate	31 Oct 22 / 19:00 – 21:00 Business Environmental Council	-

The organizers reserve the right to change the course topics, venue, date, time and speakers if necessary

## Registration



Please register online via:

<https://forms.gle/9WUXBhAUiVVk2zsv8>

### 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](mailto:education@hkioa.org) and [treasurer@hkioa.org](mailto: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. The enrollment will be made on first-come-first-served basis.
5. The organizers reserve the right to allot the registration to members of HKIOA and supporting organizations in case of over subscription.
6. The organizers reserve the right to change the course topics, venue, date, time and speakers if necessary.
7. Course information/registration form is also available from web sites [www.hkioa.org](http://www.hkioa.org)
8. The discounted fee is applicable to **Current Member** of HKIOA and supporting organizations.
9. Payment is non-refundable.
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