



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[^]) Total 16 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 8: Noise Control & Ordinance (Part 1)
- Session 9: Noise Control & Ordinance (Part 2)
- Session 10*: End of Assessment for Fundamentals in Acoustics and Noise Control

Module 2: Noise Modelling, Monitoring and Measurement (Compulsory 2[^]) Total 20 Hours

- Session 11: Noise Control & Ordinance (Part 3) Noise Pollution Sources and Impacts
- Session 12: Calculation of Road Traffic Noise Methodology
- Session 13: Noise Prediction Modeling (Part 1)
- Session 14: Noise Prediction Modeling (Part 2)
- Session 15: Experience and Practical Solution on Road Traffic Noise Assessment
- Session 16: Noise Monitoring & Measurement (Part 1)
- Session 17: Noise Monitoring & Measurement (Part 2)
- Session 18: Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation
- Session 19: On-site Road Traffic Noise Measurement (Site Practices)
- Session 20*: End of Assessment for Noise Modelling, Monitoring and Measurement

Module 3: Soundscape (Elective[^]) Total 4 Hours

- Session 6: Soundscape and Modelling (Part 1)
- Session 7: Soundscape and Modelling (Part 2)

*examination to be conducted for each module

[^]candidate who has attended the above 40 hours training and passed the two assessments would be 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

Certificates	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).
Language	English supplemented with Cantonese
Teaching Platform:	Online: Zoom or MS Teams Face-to-face: BEC class room *Location of Session 19: Practical Session On-site Road Traffic Noise Measurement is to be confirmed

Fees	For Members of HKIOA or Supporting Organizations HK\$4,000 for Module 1 (Compulsory 1^) HK\$4,000 for Module 2 (Compulsory 2^) HK\$1,000 for Module 3 (Elective^) For Other Participants HK\$8,000 for Module 1 (Compulsory 1^) HK\$8,000 for Module 2 (Compulsory 2^) HK\$2,000 for Module 3 (Elective^)
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 organizers reserve the right to change the course topics, time and speakers. Course information/registration form is also available from web sites www.hkioa.org . Enrollment will be made on first-come-first-served basis. Enquiries can be given to Course Administrator.
Course Contact	Dr. Horus CHAN and Dr. Gary YUEN Email: education@hkioa.org
Deadline of Application	16 Sep 2024
Course Coordinators	Dr. Mors LEUNG, Mr. Alson Pang, Mr. Joe LEUNG and Mr. Ken WONG

Date, Time and Venue

Compulsory Modules			
Session	Topic	Date/Time	Speakers
S1	Basic Acoustics Principle (Part 1)	23 Sep 24 / 18:30 – 20:30	Dr. Louisa Cheung
S2	Basic Acoustics Principle (Part 2)	25 Sep 24 / 18:30 – 20:30	
S3	Basic Acoustics Principle (Part 3)	27 Sep 24 / 18:30 – 20:30	
S4	Architectural Acoustics (Part 1)	30 Sep 24 / 18:30 – 20:30	Dr. Mors Leung
S5	Architectural Acoustics (Part 2)	2 Oct 24 / 18:30 – 20:30	
S8	Noise Control & Ordinance (Part 1)	9 Oct 24 / 18:30 – 20:30	Ms. Jamie LAI
S9	Noise Control & Ordinance (Part 2)	10 Oct 24 / 18:30 – 20:30	Ms. Karen LEONG
S10	Assessment for Fundamentals in Acoustics and Noise Control	17 Oct 24 / 19:00 – 21:00 Business Environmental Council	-
S11	Noise Control & Ordinance (Part 3) Noise Pollution Sources and Impacts	21 Oct 24 / 18:30 – 20:30	Mr. Ken LAM

S12	Calculation of Road Traffic Noise Methodology	23 Oct 24 / 18:30 – 20:30	TBD
S13	Noise Prediction Modeling (Part 1)	25 Oct 24 / 18:30 – 20:30	Mr. Benson LEE
S14	Noise Prediction Modeling (Part 2)	28 Oct 24 / 18:30 – 20:30	
S15	Experience and Practical Solution on Road Traffic Noise Assessment	30 Oct 24 / 18:30 – 20:30	Mr. Ken LAM
S16	Noise Monitoring & Measurement (Part 1)	1 Nov 24 / 18:30 – 20:30	Mr. CL WONG
S17	Noise Monitoring & Measurement (Part 2)	4 Nov 24 / 18:30 – 20:30	
S18	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation	6 Nov 24 / 18:30 – 20:30	Mr. Ivan HO
S19*	On-site Road Traffic Noise Measurement (Site Practices)	8 Nov 24 / 18:30 – 20:30	
S20	Assessment for Noise Modelling, Monitoring and Measurement Certificate	14 Nov 24 / 19:00 – 21:00 Business Environmental Council	-

Elective Modules			
Session	Topic	Date/Time	Speakers
S6	Soundscape and modelling (Part 1)	4 Oct 24 / 18:30 – 20:30	Dr. CK Chau
S7	Soundscape and modelling (Part 2)	7 Oct 24/ 18:30 – 20:30	

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

Registration



Please register online via:

<https://form.jotform.com/242182561605453>

Notes:

1. Please settle the fee by FPS to HKIOA FPS ID 106620909 or credit card or PayPal as instructed in the registration form.
2. Reservations will be confirmed upon receipt of payment and availability of places. Successful applicants will be informed via e-mail.
3. The enrollment will be made on first-come-first-served basis.
4. The organizers reserve the right to allot the registration to members of HKIOA and supporting organizations in case of over subscription.
5. The organizers reserve the right to change the course topics, venue, date, time and speakers if necessary.
6. Course information/registration form is also available from web sites www.hkioa.org
7. The discounted fee is applicable to **Current Member** of HKIOA and supporting organizations.
8. Payment is non-refundable.
9. Course materials can be downloaded from website/ftp which will be advised through email to the candidates before commencement of course.
10. Course materials provided shall be used solely for this course and shall not be sold, reused, rented, loaned, or otherwise disclosed to third party