



Noise Pollution and Vector-Borne Diseases as Environmental Health Concerns from Construction Sites

(Virtual Classroom)

**** Supported by UTAP ****



IES Academy Virtual Classroom

Introduction

The construction industry is important to Singapore's economic growth, contributing nearly 5% of GDP in 2015. During construction, however, projects could pose a significant risk to environmental health, potentially causing noise pollution or the spread of infectious vector-borne diseases such as dengue and malaria. Construction practices that inadequately address these issues can have damaging implications, such as adversely affecting the health and well-being of workers on-site and neighbouring communities. A balance between operational and environmental concerns is therefore crucial to ensure that timely completion of projects does not come at the cost of endangering our health and environment. The scope of this course will cover foundational concepts relating to noise and vector-borne diseases, as well as key sources and health impacts relating to noise pollution and vector-borne diseases from construction sites. Management and control measures to address these concerns will also be discussed.

Objectives

To understand and appreciate the environmental health risks, specifically related to noise pollution and vector-borne diseases, which can originate from construction sites, as well as identify the measures that can be taken to mitigate these risks.

Pre-requisites

Prior to attending this course, you should:

- Have a PC / laptop / tablet / smart phone with built-in or external webcam.
- Installed the zoom client.
- Have Wi-Fi / high speed internet connection available.
- Receive an email with a link for you to submit a registration for webinar 1 week prior to the commencement.
- Receive an email with a link and password for you to join the webinar session after your registration is successful.

Details

Date : 3 JULY 2020

Time : 9AM - 1.15PM

Duration: 4 Hrs

Delivery Mode: Zoom Webinar

CPD : 2 STU(Safety) / 3 PDU / 4 SDU

Course Fee (Include GST):

IES Member: \$102.70

Non-member: \$119.80

E-certificate of Attendance will be awarded to participants who have completed the course survey and assessment.

Target Audience

- **Site Supervisors**
- **Engineers**
- **Technical Officers**
- **Environmental Control Officers (ECOs)**

IES Academy@Jurong East

80 Jurong East Street 21, #04-10

Devan Nair Institute for Employment and

Employability

Singapore 609607

Contact Person: Verline Chiam

DID: 64604241| Main Line: 6463 9211

E-mail: verline.chiam@iesnet.org.sg

Course Outline

This course is suitable for site supervisors, engineers and technical officers. Participants will acquire the necessary knowledge on construction-related environmental health risks that will allow them to effectively work with Environmental Control Officers (ECOs). The course is also suitable for ECOs who wish to gain additional background knowledge on specific aspects of their job scope.

Introduction	<ul style="list-style-type: none">• Public health impact of construction activities• Importance of considering impact of construction activities on our environment
Foundational concepts of noise	<ul style="list-style-type: none">• Properties of noise• Quantifying noise• Human response to noise
Noise pollution from construction sites	<ul style="list-style-type: none">• Sources and activities that contribute significantly to noise pollution• Health risks posed by noise pollution
Basic concepts of vector-borne diseases	<ul style="list-style-type: none">• What are vectors?• How can vectors spread infectious diseases?
Infectious vector-borne diseases from construction sites	<ul style="list-style-type: none">• Malaria• Dengue
Management and control measures	<ul style="list-style-type: none">• Regulations on noise pollution and vector-borne diseases on construction sites• Noise control measures on-site• Vector control measures on-site
Case studies	<ul style="list-style-type: none">• Case study on noise pollution• Case study on vector-borne diseases

Trainers' Profile



Dr Edmund Low currently lectures at the National University of Singapore, on topics ranging from environmental pollution, workplace health and safety, and data science. He has more than 10 years of research and professional experience spanning the application of computational modelling and engineering principles to address issues in public health, air and water quality. Prior to his current appointment, he was senior engineer at the National Environment Agency, where he was involved in environmental monitoring and assessment programmes in Singapore, including the setting up of the country's first island-wide continuous coastal water quality monitoring system. He has provided advice for formulating control strategies against pollution sources, and has also carried out impact assessment studies of climate and urban land use changes on Singapore catchments. He received his PhD in Environmental Engineering from Yale University

Noise Pollution and Vector-Borne Diseases as Environmental Health Concerns from Construction Sites 6th Run (Virtual Classroom)

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Date: 3 JULY 2020

Time: 9AM - 1.15PM

Delivery Mode: Zoom Webinar

Fee after 20% off (include GST): IES Member: \$102.70 Non-member: \$119.80

Please register online/email the completed form by **25 JUN 2020 before 3PM** to:

Contact Person: Verline Chiam, verline.chiam@iesnet.org.sg

IES Academy@Jurong East

80 Jurong East Street 21, #04-10

Devan Nair Institute for Employment and Employability

Singapore 609607 Tel: 6463 9211

Participant Details

*Name : _____ *NRIC : _____
(Please written in BLOCK Letter)

Company : _____ *Designation _____

*Address 1 : _____
(For mailing of invoice and receipt)

*Postal Code : _____ Sex : _____ Male / Female _____

*Contact No. : _____ Fax : _____

*Your Email : _____

(For sending of confirmation email, preferable personal unless company sponsored)

Please indicate: IES members IES M'ship No.: _____ RE/RTO/P.E. No.: _____

Non-members

Sponsored by company (Please indicate the Contact person detail)

Contact Person Details (HR or Finance if sponsored by company or if applicable)

#Name : _____ #Designation : _____

#Contact No. : _____ Fax : _____

#Email : _____

Payment Details

Bank / Cheque No : _____ Amount (\$) : _____

~ All Fees are inclusive of 7 % GST.

Acceptance of Terms and Conditions for Registrations of IES Academy's Events

I agree to abide by the Terms and Conditions for Registration of IES Academy's Events.

Name : _____ Signature : _____

***Mandatory entry**

#Compulsory Entry for participant who choose to be INVOICE to your company

TERMS & CONDITIONS COURSE REGISTRATION

Registration

Any registration, whether on-line or fax will be on a ***first-come-first-served basis*** and will only be confirmed upon receipt of full payment by Engineers Singapore Pte Ltd unless otherwise invoice to company.

All registrations must be submitted with duly completed registration form.

Closing Date

The closing date of the event will be 1 week prior to event commencement date or earlier.

Confirmation of Registration

Confirmation of registration will be given at least 1 week before the commencement date via email. ***If you do not receive the said confirmation email, you are required to contact IESA at 6463 9211 during office hours.***

IESA reserves the right to allow only confirmed registrants to attend the Event.

Withdrawals/Refunds of Fees

Written notice ***at least 1 week in advance*** before the commencement of the event

Full course fee shall be refunded subjected to 4.5% transaction charge.

➤ **NO** refund otherwise.

No show of participant would not be accepted as a valid reason for withdrawal/refund.

One-time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

Cancellation/Postponement

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IES reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

UTAP (Union Training Assistance Programme) is an individual skill upgrading account especially for NTUC members. As a member, you enjoy UTAP funding at 50% of the unfunded course fee capped at \$250 every year.

Please visit [HERE](#) for more information on UTAP claim.

PERSONAL DATA PROTECTION ACT

I consent to the processing by Institution of Engineers, Singapore of personal data, including sensitive personal data as defined in the Data Protection Act 2014, about me for the proper purposes of Institution of Engineers, Singapore (IES). I undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data I may myself hold and process as a Members of Institution of Engineers, Singapore, and I agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to [here](#).

Enquiries

For further enquiries, please contact IESA general office at Tel: 6463 9211.