



Company Registration No.1016575-D
 (Wholly owned subsidiary of The Institution of Engineers, Malaysia)
 1st Floor, Wisma IEM, 21, Jalan Selangor,
 46150 Petaling Jaya, Selangor
 SST Registration No: B16-1901-32000008
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1 DAY COURSE ON HYDRAULIC SERVICES (18 MAY 2021)

BEM Approved CPD 6 Hours : Ref. No IEM21/PP/009/C

INTRODUCTION

Plumbing systems are essential building services for all categories of building. In order to produce a well-designed and economical, plumbing system, a design engineer has to acquire the fundamental knowledge of design criteria and applicable standards. This course presents criteria pertinent to the design of the water supply and distribution system, hot water system and sanitary plumbing system

LEARNING OBJECTIVES

To provide participants with the following knowledge and skills

- Water Supply System:** Determine water demand in relation to building occupancy type
 Knowledge of different piping distribution system
 Understand the concept of loading units in water pipe sizing
 Pressure boosting system design
- Hot Water System:** Determination of hot water demand
 Understand the concept of storage and recovery rate for system sizing
 Hot water recirculation design
- Sanitary Plumbing:** Understand the concept of discharge units in stack design
 Select the appropriate piping system
 Differentiation of ventilated and unventilated discharge piping
 Correct and economical application of ventilating pipes
 External sewer drainage

Who should attend

Engineers and designers involved in delivery of cold & hot water and sanitary plumbing systems in buildings.

Engineers pursuing the route to be a professional engineer

BRIEF BIODATA OF COURSE LEADER

Ir. Lam Kim Seong holds a Bachelor of Engineering (Hons.) Degree in Mechanical Engineering from the University of Malaya. He is a registered Professional Engineer with a practicing certificate with the Board of Engineers, Malaysia and is a GBI Accredited Facilitator. Ir. Lam is a Corporate Member of the Institution of Engineers, Malaysia (IEM), a member of the ASHRAE Malaysia Chapter, Association of Consulting Engineers Malaysia (ACEM) and Malaysia Green Building Council.

Ir. Lam is also active in various professional bodies. He is a board member and a past president of ASHRAE Malaysia Chapter. He also represents IEM, ACEM and MASHRAE in various technical working groups under SIRIM, Kementerian Tenaga, Teknologi Hijau dan Air (KeTTHA) and Suruhanjaya Perkhidmatan Air Negara (SPAN). He was a Trainer and Examiner in the GBI Facilitator course.

PROGRAMME			
08:30 – 09:00	Registration	12:30 – 13:30	Lunch
09:00 – 10:30	Overview of standards and guidelines Water demand and storage determination Overview of water supply distribution system	13:30 – 15:00	Water heaters selection and sizing Determination of heating energy Hot water recirculation system design
10:30 – 11:00	Tea Break	15:00 – 15:30	Coffee Break
11:00 – 12:30	Transfer pump selection Pressure booster system sizing Distribution pipe sizing	15:30 – 17:00	Concept of vented and unventilated discharge pipe system Discharge stack capacities/sizing Below ground discharge system External sewer system design



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REGISTRATION FORM

1-Day Course on 'HYDRAULIC SERVICES' by Ir. Lam Kim Seong
Time: 9.00am - 5.00pm
Venue: 2nd Floor, Wisma IEM, Petaling Jaya, Selangor
Organized by: IEM Academy Sdn Bhd

Send registration email to: rufina.iemasb@gmail.com

Inclusive of 6% SST

Registration Fee

Date	IEM Member	Non Member
<input type="checkbox"/> 18 May 2021	<input type="checkbox"/> RM530.00	<input type="checkbox"/> RM848.00

No	Name(s)	IEM No.	Grade	Fee (RM)
1.				
2.				
3.				
4.				
5.				
TOTAL PAYABLE				

You may make payment via Telegraphic Bank Transfer (Please forward soft copy of payment advice):-
 Account Name : **IEM ACADEMY SDN BHD**
 Account Number : 2140-3500-139397
 Bank Name : RHB Bank Berhad
 Bank Address : No. 5, Jalan 52/18, PJ New Town, 46200 Petaling Jaya, Selangor Darul Ehsan, Malaysia
 Swift Code : RHBBMYKL

NB: Kindly take note that all telegraphic charges to be borne by the participants.

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "IEM Academy Sdn Bhd" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/we withdraw after my/our application is accepted by the Management as stated in the **cancellation term**. If I/we fail to attend the course, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

Telephone No.: _____ (O) _____ (HP) _____ (Fax)

Email: _____

Signature & Stamp

Date

TERMS & CONDITIONS

- Closing date: one week before the event
- Payment via cash / cheque / bank-in transmission / walk-in
- Full payment must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes and refreshment.
- IEM Academy Sdn Bhd reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to submit their registrations as early as possible so as to avoid disappointment.
- Please be informed that the course will only be carried out if there is sufficient number of participants. The confirmation or cancellation email will be sent to the registered email address one or two weeks before the event dates.

CANCELLATION POLICY

IEM Academy Sdn Bhd reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before the start of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.