

3-SATURDAY COURSE ON ELECTRICAL ENGINEERING DESIGN: THE INTRODUCTION, RULES, DESIGN STANDARD, FUNDAMENTAL OF ELECTRICAL DISTRIBUTION & UTILISATION

**TRAINING
DATES!!**

APRIL 2026 : 4, 11 & 25



**PHYSICAL COURSE
WISMA IEM**



**LIMITED TO
20 PARTICIPANTS**



**3 SATURDAYS
9 AM - 5 PM
4 - 25 APRIL 2026**



**ONE OF EIGHT STRUCTURED
TRAINING MODULES IN
ELECTRICAL
ENGINEERING DESIGN SERIES**

Course overview

This course is designed to strengthen your understanding of the following areas:

- Principles of safety and protection; standards and the law, status of design codes and regulations.
- Scope and objectives of the design standards.
- The Malaysian Electricity Act and Electricity Regulations, the role of the Energy Commission.
- Electrical supply and distribution
- The grid system, 3-phase distribution, supply voltage levels
- Tariffs, distribution transformers, switch gears, transformer loading, short circuit calculation, fault level.
- Three-phase circuits, power factor, voltage distortion.
- Harmonics, unbalanced 3-phase load, single-phase and 3-phase motors, motor starters, speed control, thyristors and triacs, lighting control, variable frequency supplies.

Learn all courses from
IEM classroom



03-7890 0137 (Structured Training)



iemst@iem.org.my

FEES	PHYSICAL CLASS (RM)
Corporate Member	1200
Graduate Member / Senior Graduate	1200
Non-Member	1600

COURSE FORMAT

Rate stated subject to 8% SST

The course consists of classroom presentations. Participants are encouraged to actively engage in discussions.

INFORMATION ON REGISTRATION

Registration fees cover course notes. If a place is reserved and the intended participants failed to attend the course on the date of the event the fee is to be settled in full. Booking fee paid is non-refundable. However, substitution of participants will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registration as early as possible so as to avoid disappointment.

The Special Committee reserves the right to alter or change the programme due to unforeseen circumstances. However, every effort will be made to inform registered participants of any changes.

If you require further details or clarifications kindly contract the IEM Secretariat at:

The Institution of Engineers, Malaysia
Lot 60/62, Jalan 52/4
46720 Petaling Jaya
Selangor Darul Ehsan

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 **iemst@iem.org.my**



JOIN NOW

THE FACILITATOR



Ir. Prof. Dr Lim Yun Seng
FIEM, PEPC

Ir. Prof. Dr Lim Yun Seng pursued his undergraduate studies in Electrical and Electronic Engineering at the University of Manchester Institute of Science and Technology (UMIST), United Kingdom, in 1998. Subsequently, Lim pursued his PhD at UMIST in the area of power system from September 1998 to September 2001.

In 2002, he worked as a postdoctoral research assistant at UMIST in the area of renewable energy. Over the past 9 years, Ir. Dr Lim has secured 11 external research grants from The Ministry of Green Technology, Water and Communication, The Ministry of Science, Technology and Innovation as well as The Ministry of Higher Education for the research projects on smart grid and renewable energy. The total amount of research grants received so far is RM 4.33 million or USD 1.23 million.

Ir. Dr Lim has published 24 international journals with the total citations of 300 at h-index of 8. He has filed 4 patents on his inventions. One of the patents is filed with the Chinese State Intellectual Property Office. Of all his 12 postgraduate students, Ir. Dr Lim has successfully graduated 7 postgraduate students so far.