



FOL fundamentals of lighting

FALL 2018

what?

Fundamentals of Lighting is a new IESNA course that replaces the ED-100 series that is comprised of 7 Modules. This refined course will provide a foundation for lighting covering the history, definitions and important issues, light sources, fixtures and controls, the basics of lighting design for interiors and exteriors, and basic photometry and calculations. This class will be beneficial for students, architects, lighting designers, interior designers, electrical engineers, electrical contractors, manufacturers and distributors.

why?

Earn 21 AIA learning units with HSW credit + 21 IESNA Continuing Education Credits! Great contacts with our Los Angeles instructors who are leaders in our industry!

We will accept new students up to September 13 as long as we have open seats. To insure you will have a program binder in time for the first class, please sign up by September 1st

class?

Fundamentals of Lighting - 7 Modules:
Module 1: Basic Lighting Concepts, Vision, and Color
Module 2: Electric Light Sources and Ballasts
Module 3: Luminaires and Controls
Module 4: Photometry and Calculations
Module 5: Lighting for Interiors
Module 6: Lighting for Exteriors
Module 7: Important Issues in Lighting

where?

Louis Poulsen. • 8745 Washington Boulevard, Suite E • Culver City • CA 90232

who?

For more information contact:
Mark Duff at (213) 393-9730
IESLA Education Committee Chairperson

Module/Class Schedule:

09/12/18 - 6:00PM – 9:00PM

Module 1: Basic Lighting Concepts, Vision, and Color

Brief History of Lighting– What is Light? Vision? Color?

09/19/18 - 6:00PM – 9:00PM

Module 2: Electric Light Sources and Ballasts

Filament lamps • Fluorescent lamps and ballasts • High intensity • Discharge lamps and ballasts • Light emitting diodes (LEDs) • Other electric light sources

09/26/18 - 6:00PM – 9:00PM

Module 3: Luminaires and Controls

Methods of light control • Luminaires • Lighting control • Systems • Application examples

10/03/18 - 6:00PM – 9:00PM

Module 4: Photometry and Calculations

Photometric data for luminaires • Determining average illuminance • Illuminance equation components/examples • Determining Illuminance at a point • Computer enabled lighting analysis

10/10/18 - 6:00PM – 9:00PM

Module 5: Lighting for Interiors

Emotional impact • Degrees of stimulation • Glare and sparkle • Direction and distribution of light • Interior lighting applications

10/17/18 - 6:00PM – 9:00PM

Module 6: Lighting for Exteriors

Exterior lighting elements • Critical design considerations • Exterior lighting applications

10/24/18 - 6:00PM – 9:00PM

Module 7: Important Issues in Lighting

The lighting design profession • Sustainable design • Daylighting • Lighting economics • Codes and standards • Light and health

Cost of the class is \$250 for current IES members and students (with a current/valid student ID) and \$300 for non-IES members. All required materials are included in the cost of the class. Light snacks will be provided for each class beginning at 5:30. If your company has three or more attendees you will qualify for a 10% discount off the class cost. Checks or money orders will be the only forms of payment accepted.

If the participant would like to order the IESNA Ready Reference, IESNA Lighting Handbook, or would like a special, discounted cost on the CD-ROM version of the IESNA Lighting Handbook, please contact the class coordinator prior to registration.

Credits are available for AIA, AISD/IDA/IDEC and NCQLP programs. No classes may be missed if credits are to be awarded to the participant. Participants not applying for CEU credits are not required to attend every class.

For more information, contact:

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