

Sustainable Lighting Institute
Comprehensive, 5-Day Lighting Course
January 16-20, 2010

Agenda

Saturday, Jan. 16, 2010

Time	Topic	Presenter
8:30 a.m.	Welcome by RCL	
8:40 a.m.	Introduction to the LRC and review of schedule for the program.	Prof. Russ Leslie
8:50 a.m.	Introduction to lighting	Prof. Russ Leslie
9:15 a.m.	Lighting terminology: A review of the commonly used terms in lighting and vision using definitions and examples	Prof. Rahula Attalage
10:00 a.m.	Break	
10:30 a.m.	The physics of light: optics, photometry, and colorimetry	Prof. N. Narendran
12:30 p.m.	Lunch Break	
2:00 p.m.	Daylighting: Incorporating daylighting in building design - Tools and techniques for sustainable daylighting	Prof. Russ Leslie
3:15 p.m.	Break	
3:45 p.m.	Daylighting – <i>continued</i>	Prof. Russ Leslie
4:15 p.m.	Daylighting: Design case study	Mr. Narein Perera
5:00 p.m.	Adjourn	

Sunday, Jan. 17, 2010

Time	Topic	Presenter
8:30 a.m.	Review of schedule	Prof. N. Narendran
8:45 a.m.	Light emitting diode (LED) I: Technology basics	Prof. N. Narendran
10:00 a.m.	Break	
10:30 a.m.	Light emitting diode (LED) II: Systems / Applications	Prof. N. Narendran
12:00 Noon	Lunch Break	

1:30 p.m.	Lighting technology I: The lighting system: lamps, ballasts, luminaries.	Prof. Dan Frering
3:00 p.m.	Break	
3:30 p.m.	Lighting technology II – Lighting controls	Prof. Dan Frering / Dr. Nalin Wickramarach
5:00 p.m.	Adjourn	

Monday, Jan. 18, 2010

Time	Topic	Presenter
8:30 a.m.	Review of schedule	Prof. Dan Frering
8:45 a.m.	Electrical issues: Power, power factor, THD, etc.	Dr. Nalin Wickramarachchi
9:45 a.m.	Break	
10:15 a.m.	Economic analysis of a lighting project: How to conduct an economic analysis of a lighting design or existing installation	Prof. Rahula Attalage
11:15 p.m.	Vision and human factors	Prof. Dan Frering
12:30 p.m.	Lunch Break	
2:00 p.m.	Lighting design	Prof. Russ Leslie
3:00 p.m.	Break	
3:30 p.m.	Trip to Galle Fort	
9:00 p.m.	Back to the hotel	

Tuesday, Jan. 19, 2010

Time	Topic	Presenter
8:30 a.m.	Review of schedule	Prof. Dan Frering
8:45 a.m.	Lighting design process	Prof. Patricia Rizzo
9:45 a.m.	Break	
10:15 a.m.	Lighting design workshop I	Prof. Patricia Rizzo Mr. Narein Perera Prof. Russ Leslie Prof. Rahula Attalage Prof. Dan Frering
12:30 p.m.	Lunch Break	
2:00 p.m.	Lighting design workshop I - <i>continued</i>	Prof. Patricia Rizzo Mr. Narein Perera Prof. Russ Leslie Prof. Rahula Attalage Prof. Dan Frering
3:00 p.m.	Break	

3:30 p.m. Design review All

5:00 p.m. Adjourn

Wednesday, Jan. 20, 2010

Time	Topic	Presenter
8:30 a.m.	Review of schedule	Prof. Dan Frering
8:45 a.m.	Lighting design workshop II	Prof. Patricia Rizzo Mr. Narein Perera Prof. Rahula Attalage Prof. Russ Leslie Prof. Dan Frering
10:00 a.m.	Break	
8:45 a.m.	Lighting design workshop II - <i>continued</i>	Prof. Patricia Rizzo Mr. Narein Perera Prof. Rahula Attalage Prof. Russ Leslie Prof. Dan Frering
12:00 Noon	Lunch Break	
1:30 p.m.	Design review	All
3:00 p.m.	Break	
3:30 p.m.	Lighting-related energy-efficiency program development – how to develop a program to encourage the use of energy-efficient lighting technologies and design techniques	Prof. Russ Leslie
4:30 p.m.	Final Discussion Graduation	All
5:00 p.m.	Adjourn	