



3rd Ph.D. Seminar Series for Continuing Education (2008) Building Energy Analysis Seminar 3 - EnergyPlus

By Schedule

Day 1 (EnergyPlus 1) Tuesday, March 18, 2008

8.00 Registration, Download software (if bringing a laptop), and Refreshment
8.30 Introduction
8.45 EnergyPlus 1 Lecture 1-2
10.15 Mid Morning Break
10.30 EnergyPlus 1, Lecture 3 and Exercise 1
12.30 Lunch Break
1.30 EnergyPlus 1, Lecture 4 and Exercise 2
3.00 Mid Afternoon Break
3.15 EnergyPlus 1, Lecture 5-6
4.30 Open session for Q&A, EnergyPlus 1, Exercise 3
5.00 Close

Day 2 (EnergyPlus 2) Wednesday, March 19, 2008

8.30 EnergyPlus 2, Lecture 7-8
10.30 Mid Morning Break
10.45 EnergyPlus 2, Lecture 9 and Exercise 4
12.30 Lunch Break
1.30 EnergyPlus 2, Lecture 10
3.00 Mid Afternoon Break
3.15 EnergyPlus 2, Exercise 5
4.30 Open session for Q&A
5.00 Close

By Subject

Day 1 (EnergyPlus 1) Tuesday, March 18, 2008

Lecture 1 - EnergyPlus Overview
Lecture 2 - Building Envelope
Lecture 3 - Global Inputs, Outputs, and Auxiliary Tools
Lecture 4 - Daylighting and Ground Heat Transfer
Lecture 5 - Compact HVAC
Lecture 6 - User Interfaces, Weather Data, Miscellaneous Features, & Support Resources

Day 2 (EnergyPlus 2) Wednesday, March 19, 2008

Lecture 7 - HVAC Overview, Zone Controls and Zone Equipment
Lecture 8 - HVAC Central Air-Handling Equipment, Auto sizing
Lecture 9 - HVAC Outside Air Systems, Curve Objects, and Air Loop Example
Lecture 10 - HVAC Water-Side Loops and Coils