



Day 1 Tuesday

- Introduction
 - o PEPSE Overview
 - o Examples of PEPSE Calculations
- Basics
 - o Components
 - o Streams
 - o Model Construction
 - o Modeling Tips

Day 2 Wednesday

- Examples and Build Class Models
- Input
 - o Generic Input Data
 - o Stream Data
 - o Component Data
 - o Special Features
 - o PEPSE Calculations
- Output
 - o Displaying and Interpreting PEPSE Output
 - o Troubleshooting and Debugging (Handout)
- Build Class Models

Day 3 Thursday

- Alternate Load Cases (Handout)
- Special Features
 - o Schedules
 - o Controls
 - o Variables
 - o Operations
 - o Special Input/Output
 - o Special Options
- Theory
 - o Mass and Energy Balance
 - o Cycle Convergence
 - o Steam Turbine Efficiency
 - o Calculations Steam Turbines (Handout)
 - o Mollier Diagrams (Handout)

Day 4 Friday (1/2 day)

- -Modeling Non-GE Turbines
 - o Expansion Line Modifications
- Design Mode
 - o Performance Mode vs. Design Mode
 - o Tuning Factors
 - o Design Modes
 - o Sub modeling
- Test Data Use
- Excel - PEPSE Link
- PEPSE Plant Applications