Day One (all timing is in Central Time)

8:00–8:15 a.m. Welcome, Introductions, and Class Announcements
8:15–8:30 a.m. Pretest and Review
8:30–9:15 a.m. Chapter 1: Overview of the NIA Insulation Energy Appraisal Program
  - The Power of Insulation
  - Energy and the Environment
  - What Is an Insulation Energy Appraisal?
  - The Appraisal Process
9:15–10:30 a.m. Chapter 2: Insulation Fundamentals and Terminology
  - Energy
  - What is Insulation and How Does it Work?
  - Terms and Definitions
  - Why Insulate?
10:30–10:45 a.m. **Break**
10:45–12:00 p.m. Analyzing the Information and Practice Problems
  - Introduction to 3E Plus®
  - Problem 1 (Missing Pipe Insulation)
  - Problem 2 (Uninsulated Flat Surface)
12:00 – 1:00 p.m. **Lunch Break**
1:00–1:30 p.m. Chapter 3: Gathering Information
  - The Overall Approach
  - Summary of Information Needs
  - Appraisal Checklist
1:30–2:00 p.m. Chapter 4: The Facility Walk-Through
  - Objectives of the Walk-Through
  - Tools and Equipment Needs
  - Insulation Inspection
  - Using Infrared Thermography
  - Measuring Tips and Tricks
2:00–2:45 p.m. Chapter 5: Analyzing the Information and Practice Problems (cont)
  - The Excel Master Spreadsheet
  - Problem 3 (Food Processing Plant)
  - Homework – Complete Problem 3
2:45 p.m. **Adjourn for the Day**
Day Two (all timing is in Central Time)

7:45–8:00 a.m.  Instructor Office Hours  
(Instructor will be available to answer questions during this time)

8:00–9:30 a.m.  Chapter 5 (Cont.)  
• Problem 3 Review  
• Additional 3E Plus® Training (Append to Audit)  
• Problem 4 (Power Plant)

9:30–10:00 a.m.  Break  
(Instructor will be available to answer questions from 9:45-10:00 a.m.)

10:00-10:30 a.m.  Chapter 5 (Cont.)  
• Review Problem 4  
• Additional 3E Plus Training (Economic Thickness)

10:30–10:45 a.m.  Chapter 6: The Final Report  
• Objective of the Final Report  
• Report Outline  
• Delivering the Final Report

10:45–11:00 a.m.  Chapter 7: Marketing Your Services  
• Marketing Strategies  
• The Marketing Mix  
• After the Class

11:00–11:30 a.m.  Chapter 8: Resources  
• The Mechanical Insulation Design Guide (MIDG)  
• ASTM Standards  
• Weather Data  
• Manufacturers Data Sheets

11:30–11:45 a.m.  Review and Questions

11:45 a.m. –12:45 p.m.  Lunch Break  
(Instructor will be available to answer questions from 12:15-12:45 p.m.)

1:15–3:15 p.m.  Examination and Certification for Insulation Energy Appraiser

3:15 p.m.  Adjournment