

HERS Rater Training Field Syllabus

Part 1: Course Information

Instructor(s):

Ben Graham

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Location:

6145 North Broadway Denver, CO 80216

Class Hours:

8:00am – 5:30pm daily

Prerequisites:

EnergyLogic's Online HERS Rater Training

Course Description

The field portion of HERS Rater Training is 4 days of field training designed to introduce the HERS Rater inspection processes and diagnostic testing.

During the field training we will complete 2 practice ratings according to the RESNET training standard.

This is an instructor facilitated course. Students will have one-on-one instruction on the testing equipment. Much of the field work will be done in a group setting where peer to peer interaction is used to complete the practice ratings.

The course will provide each student ample time to have hands on experience with the diagnostic equipment. By the end of the course each student will demonstrate competency with the Blower Door system, Duct Blaster system, gas leak detector, CO meter, and Worst- Case set-up for Combustion Safety Testing. This will be a one-on-one evaluation with an instructor to measure the students' competence with the testing equipment.

Textbook & Course Material

Required Materials

- Tape Measure
- Hard Hat
- Pencil
- Shoe Cover(s)
- Computer – preferably a PC

Recommended Text

- Energy Auditor Field Guide – John Krigger and Chris Dorsi
- Builder’s Guide “to your climate” – Joseph Lstiburek
- Insulate & Weatherize – Bruce Harley

Course Requirements

Students are required to attend every class for the entire scheduled time. Students will be evaluated in one on one session with the course instructor for competency using the diagnostic equipment.

Course Structure

This course will be delivered using a combination of classroom presentations and field work. In addition, students will have access to the EnergyLogic Academy. The EnergyLogic Academy will have online lessons, course materials, and resources. The course will be delivered over 4 days. Please make sure to review the schedule posted on the EnergyLogic Academy course page for details on dates and times.

Part 2: Course Objectives

The field portion of HERS Rater Training is designed to give participants in depth training on the processes and diagnostic equipment required to complete a home energy rating.

Objectives:

- Explain the process of measuring and inspecting a home for home energy ratings
- Demonstrate the correct use of a manometer
- Inspect a home using the blower door system
- Assess a home based on the use of the duct testing system
- Prescribe remediation based on combustion safety testing
- Perform ratings according the RESNET Standards

You will meet the objectives listed above through a combination of the following activities in this course:

- Review the blower door, duct blaster, and pressure diagnostic, CST, and Work Scope modules prior to attending class
- Participate fully in the labs
- Engage in the one-on-one coaching with the instructors
- Assume a leadership role when necessary: voluntarily help other students when you have knowledge they don't have
- Approach the course with a desire to learn
- Complete the practice ratings

Part 3: Topic Outline/Schedule

Diagnostic Labs	
Day 1	Instruction
8:00:00 AM	Classroom -- Week outline, expectations, introductions
9:00:00 AM	Classroom -- Principles of Diagnostic Testing & Manometers
10:00:00 AM	Blower Door Lab
11:00:00 AM	Blower Door Lab
12:00:00 PM	Lunch
1:00:00 PM	Pressure Diagnostics Lab
2:00:00 PM	Duct Blaster Lab (Total Leakage Test)
3:00:00 PM	Duct Blaster Lab (Leakage to Outside Test)
4:00:00 PM	Duct Blaster Lab (Leakage to Outside Test)
5:00:00 PM	Wrap-up

Practice Rating	
Day 2	Instruction
8:00:00 AM	Field -- Practice Rating 1, Blower Door Practice
9:00:00 AM	Field -- Practice Rating 1, Blower Door Practice
10:00:00 AM	Field -- Practice Rating 1, Blower Door Practice
11:00:00 AM	Field -- Practice Rating 1, Blower Door Practice
12:00:00 PM	Lunch
1:00:00 PM	Take offs
2:00:00 PM	Take offs
3:00:00 PM	REM Input
4:00:00 PM	REM Input
5:00:00 PM	Wrap-up

Part 3: Topic Outline/Schedule (Continued)

Practice Rating	
Day 3	Instruction
8:00:00 AM	Field -- Practice Rating 2, Duct Testing Practice
9:00:00 AM	Field -- Practice Rating 2, Duct Testing Practice
10:00:00 AM	Field -- Practice Rating 2, Duct Testing Practice
11:00:00 AM	Field -- Practice Rating 2, Duct Testing Practice
12:00:00 PM	Lunch
1:00:00 PM	Take offs
2:00:00 PM	Take offs
3:00:00 PM	REM Input
4:00:00 PM	REM Input
5:00:00 PM	REM Input

CST	
Day 4	Instruction
8:00:00 AM	Pressure Diagnostics Lab
9:00:00 AM	Gas Leak Detection Lab
10:00:00 AM	Worst Case Depressurization Lab
11:00:00 AM	Worst Case Depressurization Lab
12:00:00 PM	Lunch
1:00:00 PM	Combustion Safety Testing Lab
2:00:00 PM	Combustion Safety Testing Lab
3:00:00 PM	Work Scope Development
4:00:00 PM	Work Scope Development
5:00:00 PM	Review

Part 4: Grading Policy

Successful Completion of Course

To successfully complete training you must attend all field training sessions, and complete and submit your practice ratings. The REM/Rate data file must be submitted to your instructor within 14 days of the final day of training.