RLEST-194: Heating, Ventilating & Air Conditioning for Home Inspectors

Course Description:

This course is designed to provide all the technical aspects of inspecting HVAC equipment. The course will cover a wide range of furnaces, boilers, space heaters, and supplemental heating systems. Also included are system efficiencies, accessory equipment, and gas leak and carbon monoxide testing.

Total Credits: 3.00

Course Competencies

1. Determine if the furnace is a conventional, mid, or high efficiency gas furnaces.
2. Identify the location and function of the components of a gas-fired, forced air furnace
3. Demonstrate inspection procedures for gas furnaces
4. Confirm the proper operation of gas-fired furnaces
5. Demonstrate inspection procedures for oil-fired, forced air furnaces
6. Identify the location and function of the components of an oil-fired, forced air furnace
7. Confirm the proper operation of oil-fired furnaces
8. Identify the location and function of the components of an electric, forced-air furnace.
9. Demonstrate inspection procedures for electric furnaces
10. Analyze proper operation of electric furnaces
11. Identify the location and function of the components of an air-cooled, air conditioning system
12. Demonstrate inspection procedures for air-cooled, air conditioning systems
13. Confirm the proper operation of air-cooled, air conditioning systems
14. Determine if the gas boilers is a conventional, mid, or high efficiency gas boilers.
15. Identify the location and function of the components of a gas-fired boiler
16. Demonstrate inspection procedures for gas furnaces
17. Confirm proper operation of gas-fired boiler
18. Confirm the proper venting system installation and operation