

PDH Academy

Residential Rehab Inspection

Timed Outline

Course Description: The **Residential Rehab Inspection Course** is a modern learning tool for licensees preparing to renew their construction contractor licenses. This course contains 5 hours of instruction focused on making the best use of our nation's housing stock by accurately assessing the condition, safety, usefulness and rehabilitation potential of older residential buildings. This comprehensive course provides step-by-step technical information for evaluating a residential building's site, exterior, interior, structural, electrical, plumbing and HVAC systems. It also includes discussions regarding the effects of fire on structural systems, wood-destroying organisms, and the life expectancies of many typical housing components. This course is tailored to the needs of online students. It is designed to:

- make it easy for students to learn the material,
- prepare students for numerous career applications,
- stress practical skills and knowledge.

Course Hours: 5 Hours

Course Availability: Online 24/7

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Course Outline and Learning Objectives

Module	Learning Objectives	Time
1. Course Introduction	<ol style="list-style-type: none"> 1. Preparing for the inspection 2. Conducting the On-Site Inspection 3. What information will be contained in the rest of this course 	
2. Site	<ol style="list-style-type: none"> 1. Drainage 2. Site Improvements 3. Outbuildings 4. Yards & Courts 5. Flood Regions 	5 min 5 min 5 min 5 min 5 min 25 min
3. Building Exterior	<ol style="list-style-type: none"> 1. Foundation Walls and Piers 2. Exterior Wall Cladding 3. Windows and Doors 4. Decks, Porches, and Balconies 5. Pitched Roof Coverings 6. Low-Slope Roof Coverings 7. Skylights 8. Gutters and Downspouts 9. Chimneys, Parapets & Gables 10. Lightning Protection 	5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 50 min
4. Building Interior	<ol style="list-style-type: none"> 1. Basement or Crawl Space 2. Interior Spaces, General 3. Bathrooms, Laundries & Utility Rooms 4. Kitchens 5. Storage Spaces, Stairs & Hallways 6. Fireplaces and Flues 7. Attics and Roof Truss and Joist Spaces 8. Whole Building Thermal Efficiency Tests 9. Sound Transmission Control Between Dwelling Units 10. Asbestos, Lead & Radon 11. Tornado Safe Room 	5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 5 min 55 min

9. Effects of Fire on Structural Systems	<ol style="list-style-type: none"> 1. Timber 2. Masonry 3. Steel 	5 min
10. Wood-Inhabiting Organisms	<ol style="list-style-type: none"> 1. Surface molds and sapstain fungi 2. Water-conducting fungi 3. Brown-rot and white-rot fungi 4. White-pocket rot 5. Subterranean termites 6. Formosan subterranean termites 7. Drywood termites 8. Dampwood termites 9. Carpenter ants 10. Wood-boring beetles, bees, and wasps 11. Lyctid powder-post beetles 12. Anobiid beetles 13. Bostrichid powderpost beetles 14. Old house borer 15. Carpenter bees 16. Other wood-inhabiting insects 	5 min
11. Life Expectancy of Housing Components	<ol style="list-style-type: none"> 1. Appliances 2. Bathrooms 3. Cabinetry 4. Closet Systems 5. Countertops 6. Doors 7. Electrical 8. Finishes Used for Waterproofing 9. Floors 10. Footing and Foundations 11. HVAC 12. Home Security Appliances 13. Insulation 14. Landscaping 15. Masonry 16. Millwork 17. Paints and Stains 18. Plumbing 19. Roofing 20. Rough Structure 	

	21. Shutters 22. Siding 23. Walls and Wall Treatments 24. Windows	<i>5 min</i>
	TOTAL TIME	<i>305 min</i>