

## **FUNDAMENTALS OF HOME INSPECTION**

**Time (hours)**

### **Roofing/Flashing/Chimneys**

**2.5**

Reading Assignment

ROOFING  
FLASHINGS  
CHIMNEYS  
PROBABILITY OF LEAKAGE

Reading Comprehension Quiz 1

Interactive Exercises

Unit Exam 1

### **Exterior**

**2.5**

Reading Assignment

GUTTERS AND DOWNSPOUTS  
LOT GRADING  
DOORS, WINDOWS AND TRIM  
WALL SURFACES  
PORCHES, DECKS, BALCONIES,  
ENTRANCES AND CARPORTS  
WALKS, DRIVEWAYS, AND LANDSCAPING  
BASEMENT WALK-OUT  
GARAGES  
RETAINING WALLS

Reading Comprehension Quiz 2

Interactive Exercises

Unit Exam 2

### **Structure**

**7.5**

Reading Assignment

THE BASICS OF STRUCTURES  
FOOTINGS  
FOUNDATIONS  
CONFIGURATION  
FLOORS  
WALLS  
ROOFS  
MASONRY CHIMNEYS  
TERMITES  
OTHER WOOD BORING INSECTS  
MECHANICAL DAMAGE AND FIRE DAMAGE

Reading Comprehension Quiz 3

Interactive Exercises

Unit Exam 3

### **Electrical**

**4**

Reading Assignment

THE BASICS  
SERVICE ENTRANCE  
SERVICE PANEL  
BRANCH CIRCUIT WIRING  
LIGHTS, OUTLETS, SWITCHES  
& JUNCTION BOXES

Reading Comprehension Quiz 4

**Heating**

**5**

Reading Assignment

HEATING OBJECTIVES  
UNITARY ELECTRIC HEATERS  
FURNACES (FORCED AIR SYSTEMS)  
BOILERS (HOT WATER SYSTEMS)  
CONVERSION FROM HOT WATER TO FORCED-AIR  
CONVERSION FROM OIL TO GAS  
CHIMNEY LINERS  
EFFICIENCIES  
CAPACITY  
FAILURE PROBABILITY  
GAS PIPING  
WARM AIR HEATING SYSTEMS  
HOT WATER HEATING SYSTEMS  
GENERAL  
DISTRIBUTION  
LIMITATIONS  
STEAM BOILERS  
COMBINATION HEATING SYSTEMS

Reading Comprehension Quiz 5

Interactive Exercises  
Unit Exam 5

**Cooling/Heat Pumps**

**2**

Reading Assignment

AIR CONDITIONING  
HEAT PUMPS  
COOLING CAPACITY  
FAILURE PROBABILITY  
COMPRESSOR  
PLENUM COIL  
OUTDOOR COIL  
WATER COOLED COIL  
OUTDOOR FAN  
CONDENSATE TRAY/LINE/PUMP  
REFRIGERANT LINES  
INDOOR FAN  
DUCTWORK  
ATTIC DUCTWORK INSULATION  
SUPPLEMENTAL COOLING  
ATTIC DRIP PAN  
WATER LINES  
THERMOSTAT  
HOUSE FAN  
EVAPORATIVE COOLER

Reading Comprehension Quiz 6

Interactive Exercises  
Unit Exam 6

**Insulation**

**2.5**

Reading Assignment

ATTICS

FLAT ROOFS  
CATHEDRAL ROOFS / SLOPED CEILINGS  
SKYLIGHT WELLS  
KNEE WALLS  
WOOD FRAME EXTERIOR WALLS  
MASONRY WALLS  
LOG WALLS  
BASEMENT WALLS - INTERIOR  
BASEMENT WALLS - EXTERIOR  
CRAWL SPACES  
FLOORS ABOVE UNHEATED AREAS  
PIPES IN UNHEATED AREAS  
DUCTWORK IN UNHEATED AREAS  
EXHAUST DUCTS IN UNHEATED AREAS  
CURRENT STANDARDS  
EXISTING AMOUNT  
TYPES OF INSULATION  
INSPECTING AND MAINTAINING INSULATION  
AND VENTILATION

Reading Comprehension Quiz 7  
Interactive Exercises  
Unit Exam 7

## **Plumbing**

**5**

Reading Assignment  
SUPPLY  
WASTE  
FIXTURES  
GAS PIPING  
Reading Comprehension Quiz 8  
Interactive Exercises  
Unit Exam 8

## **Interior**

**6**

Reading Assignment  
MAJOR FLOOR FINISHES  
MAJOR WALL FINISHES  
MAJOR CEILING FINISHES  
TRIM  
STAIRS  
WINDOWS  
DOORS  
FIREPLACES  
PARTY WALLS  
BASEMENT LEAKAGE  
Reading Comprehension Quiz 9  
Interactive Exercises  
Unit Exam 9

## **Appliances**

**2**

Reading Assignment  
RANGES

OVENS  
EXHAUST VENTS  
DISHWASHERS  
WASTE DISPOSERS  
TRASH COMPACTORS  
CENTRAL VACUUMS  
DOOR BELLS  
LAUNDRY FACILITIES  
EXHAUST VENTS  
MONTHLY ENERGY CONSUMPTION  
OF HOUSEHOLD APPLIANCES

Reading Comprehension Quiz 10

Interactive Exercises

Unit Exam 10

**Final Exam**

**1**

**Total**

**40**