



**Casey O'Malley Associates
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**Course Synopsis
Fundamentals of Home Inspection 40 Hour Online Class
Fundamentals Online Program**

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

SERVICE

Reading Comprehension Quiz 4
 Interactive Exercises
 Unit Exam 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