

Florida Thermal and Moisture Protection: Keeping the Weather Out

Internet Course

Course # 0610640

Course Description

Protecting buildings from the weather and moisture related problems is important for all building professionals. In areas of high rainfall, and in northern climates, it is even more important that designers, builders, and their subcontractors use "Best Practice" procedures to carefully plan and install thermal and weather resistant components. This course, based on the 2010 Florida Building codes, pertains to moisture and weather related problems, and will identify practical solutions based on those requirements. This internet course is intended to provide a minimum of one hour of continuing education to professionals involved in planning, design and construction of structures susceptible to moisture related issues.

METHOD OF PRESENTATION: This distance learning course is formatted specifically for internet delivery. Course presentation will require student participation through an assessment. This method of course presentation assures that student will have direct control of course delivery.

Course material will be presented using multimedia formats, including but not limited to: static text, photos and illustrations. There are no sound or video clips in this course. Additionally, participants will have the opportunity to link to related resource websites and applicable articles. Participants will be able to access instructor support via email (24 hour) and telephone communication (during normal daytime office hours).

After completing this course participants will be able to:

- Summarize the key elements (either natural or mechanical) of a properly ventilated structure.
 - List and describe at least three specific installation techniques and/or materials that contribute to a properly constructed roof system.
 - Outline at least one design strategy based on "best practices" for the construction of buildings in areas with high humidity.
 - Identify and implement proven methods that will effectively divert moisture from the foundation of a structure.
-

COURSE SYLLABUS

Keeping the Weather Out

1. Rationale
2. Performance Objectives

Foundations

1. Ensuring a Dry Foundation
 - a. Drains
 - b. Grading
 - c. Dampproofing and Waterproofing
 - d. Crawl Spaces
 - e. Gutters and Downspouts
 - f. Insect Infestation

House Wrap and Underlayment

1. Definitions and Types

Corrosion and Decay Resistance

1. Recommendations: Preservative-treated wood and fasteners

The Building Frame

1. Lumber and Moisture: Negative Effects
2. Foundation to Wall Transition

Siding

1. Structural Integrity: Code
2. Wood Siding
3. Vinyl Siding
4. Fiber Cement Siding
5. Lap Siding
6. Brick Veneer
7. Exterior Insulation Finishing System and Stucco

Windows and Doors

1. Flashing
2. Caulking
3. Windows and Installation
4. Doors and Installation
5. Skylights

Roofs

1. Moisture Penetration
2. Weather Protection
3. Roof Valleys

4. Flashing
5. Sheathing and Built up Roofs
6. Repairs

Ventilation

1. Code Requirements
 2. Natural Attic Ventilation
 3. Doing the Job
 4. Installing Rafter Vents
-

Course instructors will be available by email or telephone between 9am and 5pm Eastern Standard Time. They will assist you with questions regarding course content.

If you have any questions, please call us at 1-800-727-7104 or send an email to info@licensetobuild.com. Email responses will usually be returned promptly, but guaranteed within one business day.

Student policies and procedures are always available by going to www.licensetobuild.com and scrolling to the bottom of the page (See Privacy and Refund Policy).

[Click here to return to Florida class selections](#)