

## Detailed Course Outline:

<u>Course Title:</u>	Advanced Wind Mitigation Methodologies Part 1- Internet Course for Florida Contractors
<u>Number of Classroom Hours:</u>	1; 1 CEU
<u>Method of Presentation:</u>	Online Course
<u>Intended Target Group:</u>	Florida Certified & Registered Contractors

## Provider Information:

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## Course Outline:

**Section 1- Addressing the NEED for Wind Mitigation in Florida-** briefly describes the E-learning platform to maximize user interaction and experience; identifies the need for wind mitigation in Florida; and discusses the legislative events that have led to the requirements of this course for Florida Contractors, and the interrelationship between insurance providers, contractors and homeowners.

Learning Exercise 1

References: **F.S. 627.711-** Notice of premium discounts for hurricane loss mitigation; uniform mitigation verification inspection form.-; **Their house survived Ike, but it's the only one left-** <http://www.cnn.com/2008/US/09/18/ike.last.house.standing/index.html> ; **Ike obliterated most homes, but spared one on Church Street-** <http://www.chron.com/disp/story.mpl/hurricane/ike/6025525.html> ; **F.S.- 553.844-** Windstorm

loss mitigation; requirements for roofs and opening protection; **F.S.- 627.0629-** Residential property insurance; rate filings-

**Section 2- Gable-end Bracing-** reviews the legislative requirement for implementing this improvement and its intent; reviews pertinent definitions and materials of construction, followed by a short matching game; pinpoints 4 key areas of weakness for this improvement including strengthening framing members with Retrofit Studs, bracing the top and bottom of Gable-end Wall with Horizontal Braces, making connections between Retrofit Studs and Horizontal Braces using Straps, and connecting the bottom of the gable end wall to the wall below with Right-Angle Gusset Brackets.

Learning Exercise 2

References: **2010 Florida Building Code- Existing Building- Chapter 16- Sections 1601 [1601.1], 1602, 1603 [1603.1-1603.1603.6] and 1604 [1604.1, 1604.2, 1604.3, 1604.4, 1604.5]**

**Section 3- Roof Sheathing & Secondary Water Barriers-** reviews the legislative requirement for implementing these improvements; outlines the mitigation techniques for strengthening roof sheathing/decking including attachment methods and installing supplemental fasteners; outlines approved techniques for installing a secondary water barrier both inside the HVHZ and outside the HVHZ; and identifies the estimated cost for implementing this improvement. Also included in this section is a small list of online resources for contractors to access more information about wind mitigation in Florida.

Learning Exercise 3

References: **2010 Existing Building Chapter 6- Section 611.7**

Wind Insurance Calculator-<http://www.floridadisaster.org/mitdb/>; Residential Construction Mitigation Program and various types of assistance-

<http://www.floridadisaster.org/Mitigation/rcmp/> ; Approved products for Secondary Water Barriers [http://www.dca.state.fl.us/FBC/thecode/Secondary\\_water\\_barrier\\_revised.pdf](http://www.dca.state.fl.us/FBC/thecode/Secondary_water_barrier_revised.pdf);

Hurricane Mitigation Retrofit Q & A for Re-Roofing- [http://www.ci.boca-](http://www.ci.boca-raton.fl.us/dev/pdf/BP/infolib/HurMitigRetrofitQ.pdf)

[raton.fl.us/dev/pdf/BP/infolib/HurMitigRetrofitQ.pdf](http://www.ci.boca-raton.fl.us/dev/pdf/BP/infolib/HurMitigRetrofitQ.pdf) ; Frequently Asked Questions Regarding Hurricane Mitigation Requirements of Florida Statute 553.844

<http://www.miamidade.gov/building/library/FaqHurricaneMitigation.pdf> ; Re-Roof Mitigation

Guidelines Forum-<http://www.boaf.net/phpBB2/viewtopic.php?t=985&view=previous> ; Non-binding interpretations of the Florida Building Code- <http://www.boaf.net/ihelp.html>