

## **Course Syllabus**

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**Course Title:** Florida Building Code 2010 Advanced Training: Indoor Environmental Quality

### **Course Description:**

This course addresses numerous components of indoor environmental quality pertaining to the current Florida Building Codes. The chapters included are Chapter 7 (Fire Resistant Requirement), Chapter 8 (Interior Finishes), Chapter 9 (Fire Protection Systems), Chapter 12 (Interior Environment), and Florida Building Code - Energy

### **Code Edition:**

2010 Florida Building Code – Building

2010 Florida Building Code – Energy

**Code Chapters:** Information acquired for this course derived from the following FBC 2010 chapters:

Chapter 7 – Fire Resistant Requirement

Chapter 8 - Interior Finishes

Chapter 12 – Interior Environment

Chapter 5 – FBC – Energy

### **Learning Objectives:**

Upon completion of this course, the attendee will

- come away with a clear knowledge of the Florida Building Codes pertaining to the indoor environment and a far greater emphasis on human health, safety and welfare.
- understand ventilation requirements in the FBC, HVAC and HEPA filtration systems.
- learn the requirements natural daylighting, and the energy savings advantages.
- gain a greater knowledge of necessary exhaust systems for bathrooms.
- learn the value of relative humidity in relation to human & thermal comfort.
- learn the values of natural light and artificial light.
- learn the difference between energy saving CFL's & no-heat emitting LED's.
- learn the importance of reducing sound pollution and FBC code compliance.
- learn the minimum dimensions of interior spaces according to FBC.
- learn the about combustion pollutants, their health effects and the requirements in the FBC.
- learn about carbon monoxide protection according to FBC
- learn of surrounding materials and interior finishes according to FBC.
- come away with a clear comprehension and scope of the FL Building Codes.

### **Outline and Time line for:**

<b>Intro:</b>	5 minutes
<b>Ventilation</b> FBC Section 1203	20 minutes
<b>Temperature Control</b> FBC Section 1204	10 minutes
<b>Lighting</b> FBC Section 1205	15 minutes
<b>Sound Transmission</b> FBC Section 1207.	10 minutes
<b>Interior Space Dimensions</b> FBC Section 1208.	10 minutes
<b>Combustion and Other Pollutants</b> FBC Section 916	15 minutes
<b>Surrounding Materials</b> FBC Ch 8	25 minutes
<b>Question and Answer</b>	10 minutes
<b>Total Time in hours 2 hours = .</b>	<b>120 minutes</b>

**Course Length:**  
2 hours (2CEUS)

**Course Presentation Method:**  
Powerpoint with Lecture

**Method of Course Evaluations:**  
Evaluation Sheet Handouts