

CONTRACTORS INSTITUTE COURSE SYLLABUS

2004 FLORIDA BUILDING CODE: **Building/Structural Summary** (Internet Delivery)

COURSE DESCRIPTION:

This course is designed to provide contractors with one hour of advanced core training, specifically regarding changes and updates to the Florida Building Codes on Building and Structural topics.

NUMBER OF INTERACTIVE INTERNET HOURS: One 50-minute hour.

BEHAVIORAL OBJECTIVES OF THIS COURSE:

This seminar will improve the contractor's ability to understand, interpret, and apply the building and structural provisions of the 2004 Florida Building Code.

COURSE DETAIL AND TOPICAL OUTLINE:

10 min: Summary of changes/updates in 2004 Building Code:

DEFINITIONS, CHAPTER 1: ADMINISTRATION, CHAPTER 3: USE & OCCUPANCY

Florida Building Code vs. International Building Code

Section 102 Applicability

Section 109 Inspections

Section 312 Utility & Misc Use & Occupancy Classifications

Section 303 Assembly Group A

Section 302 Classification

Section 302.1.1 Incidental use areas

Section 302.1.1.1 Separation

Section 302.2 Accessory use areas

Section 302.2.1 Assembly areas

Section 302.3 Mixed occupancies

Section 302.3 Mixed occupancy exceptions

Section 302.3.1 Nonseparated uses

Section 302.3.2 Separated uses

Section 302.3.2 Separated uses exception

10 min: Summary of changes/updates in 2004 Building Code:

CHAPTER 4: SPECIAL DETAILED REQUIREMENTS, CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS & CHAPTER 6: TYPE OF CONSTRUCTION

Section 424 Swimming Pools and Bathing Places

Section 503 General height and area limitations

Section 504 Height modifications

Section 506 Area modifications

Section 507 Unlimited area buildings

Section 602 construction classification

Table 601 Fire resistance rating requirements for building elements

Table 602 Fire resistance rating requirements for exterior walls

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10 min: Summary of changes/updates in 2004 Building Code:

*CHAPTER 7: FIRE RESISTANCE RATED CONSTRUCTION, CHAPTER 8:
INTERIOR FINISHES & CHAPTER 9: FIRE PROTECTION SYSTEMS*

Section 703 Fire resistance rating and fire tests
Section 704 Exterior walls
Section 705 Fire walls
Section 706 Fire barriers
Section 709 Smoke barriers
Section 720 Prescriptive resistance
Section 801 General (Interior finishes)
Section 903 Automatic Sprinkler Systems
Section 905 Stand pipe systems

10 min: Summary of changes/updates in 2004 Building Code:

*CHAPTER 10: MEANS OF EGRESS, CHAPTER 12: INTERIOR ENVIRONMENT,
CHAPTER 13: ENERGY EFFICIENCY, CHAPTER 14: EXTERIOR WALLS*

Section 1001 Administration (Means of Egress)
Section 1003 General Means of Egress
Section 1008 Doors, Gates & Turnstiles
Section 1009 Stairways & Handrails
Section 1010 Ramps
Chapter 12: Interior Environment
Chapter 13: Energy Efficiency
Section 1401 General (Exterior walls)

10 min: Summary of changes/updates in 2004 Building Code:

CHAPTER 15-31 (REMAINING CHAPTERS)

Chapter 15: Roof Assemblies & Rooftop Structures
Chapter 16: Structural Design
Chapter 17: Structural Tests & Special Inspections
Chapter 18: Soils & Foundations
Chapter 19: Concrete
Chapter 20: Light Metal Alloys
Chapter 21: Masonry
Chapter 22: Steel
Chapter 23: Wood
Chapter 24: Glass & Glazing
Chapter 25: Gypsum Board & Plaster
Chapter 26: Plastics
Chapter 27: Electrical
Chapter 30: Elevators
Chapter 31: Special Construction
Chapter 32: Encroachment Into Public Right of Way
Chapter 33: Safeguards During Construction
Chapter 34: Existing Structures
Chapter 35: Referenced Standards

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Chapter 36: Florida Fire Prevention Code

TOTAL TIME: 50 MINUTES

METHOD OF PRESENTATION:

This distance learning course is formatted specifically for internet delivery. Students participate through interactive prompts and section review, assuring that the student will have direct control over course delivery. Material will be presented by means of text, photos and audio clips. Additionally, students will have the opportunity to link to related resource websites and will be able to access instructor/technical support through e-mail or telephone communication.

METHOD OF EVALUATION:

Upon enrollment, students are assigned a password for access to the course. This interactive internet course is composed in sections (modules) to allow students to complete the course in its entirety at one sitting or work on the course in 'sessions' at his/her own pace. Monitoring of student activity is tracked and maintained, along with section evaluation scores. Log in and log out times are recorded and are accessible to the course administrator, instructor and student. As the student achieves course objectives, his/her comprehension of the material is evaluated through interactive multiple choice questions at the end of each section. Incorrect answers will route students to review information previously presented. A distance learning certificate of course completion is issued when the course is complete and verified by a course administrator.

This course is monitored continually, allowing materials to be updated and difficulty levels adjusted according to evaluation scores, timetables and student comments.

QUALIFICATION OF INSTRUCTORS:

Although an internet course, qualifications of those responsible for the internet delivery of the content of materials presented are attached (Robert J. Koning, Rhonda E. Koning, and Richard Elzey).

MINIMUM QUALIFICATIONS FOR ANY FUTURE INSTRUCTORS:

Any future instructor shall be qualified by education or experience to teach a course within their area of expertise (or parts of the course assigned) as it relates to our course content. Pursuant to rule, qualifications for these instructors shall include:

- * A four year college degree in which this instructor may teach courses related to their field of study.
- * An active or inactive state certified or registered contractor's license with at least five years experience may teach any technical course regarding construction within the scope of their license. No contractor whose license has been suspended or revoked shall teach or serve as a continuing education instructor.