

CONTRACTORS INSTITUTE COURSE SYLLABUS

2004 FLORIDA BUILDING CODE: **Plumbing/Fuel Gas 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 Plumbing and Fuel Gas 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 plumbing and fuel gas provisions of the 2004 Florida Building Code.

COURSE DETAIL AND TOPICAL OUTLINE:

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

CHAPTER 2: DEFINITIONS AND CHAPTER 3: GENERAL REGULATIONS

- New or modified definitions
- Section 303.4 Third-party testing & certification
- Section 305 Protection of Pipes & Plumbing System Components
- Section 307 Structural Safety
- Section 312 Tests and Inspections
- Section 314 Condensate Disposal
- Section 316 Irrigation

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

CHAPTER 4: FIXTURES, FAUCETS, FITTINGS & CHAPTER 5: WATER HEATERS

- Section 403 Minimum Plumbing Fixtures and Facilities
- Section 406 Automatic Clothes Washers
- Section 410 Drinking Fountains
- Section 417 Showers
- Section 424 Faucets & Other Fixture Settings
- Section 502 Installation (Water Heaters)
- Section 504 Safety Devices

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

*CHAPTER 6: WATER SUPPLY & DISTRIBUTION, CHAPTER 7: DRAINAGE,
CHAPTER 9: VENTS, CHAPTER 10: TRAPS & CHAPTER 11: STORM DRAINAGE*

- Section 603 Water Service
- Section 605 Materials, Joints & Connections
- Section 701 Sanitary Drainage
- Section 710 Drainage System Sizing

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Section 909 Wet Venting
Section 912 Combination Drain & Vent System
Section 1002 Trap Requirements
Section 1003 Interceptors & Separators
Section 1106 Size of Conductors, Leaders & Storm Drains

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

CHAPTERS 25-41 RESIDENTIAL CODE

Chapter 27: Plumbing fixtures
Chapter 29: Water Supply & Distribution
Chapter 30: Sanitary Drainage
Chapter 31: Vents
Chapter 41: Private Swimming Pools

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

FLORIDA BUILDING CODE: FUEL GAS

Section 301 (IFGC) General
Section 304 (IFGC) Combustion, Ventilation & Dilution Air
Section 402.2 Maximum gas demand
Section 404 (IFGC) Piping System Installation
Section 409 (IFGC) Shutoff Valves
Section 411 (IFGC) Appliance Connections
Chapter 24 Fuel Gas (Residential)

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.

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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.