

One Hour Advanced Building Code Internet Course Syllabus

Course description: This 50 minute (1 Hour) advanced building code module covers changes from the 2007 Florida Building Code to the 2010 Florida Building Code. All course material is based off the 2010 code book, citing important code changes through the fully narrated program. Evaluation of understanding of these changes is assessed at the end of both sections. No outside reading or materials is required for this course. Everything is provided in the fully narrated, interactive power point presentation.

Objective: Understand the current changes between the 2007 and 2010 Florida Building Code. All information is obtained directly from the 2010 Florida Building Code published by the International Code Council.

Attendance verification: To ensure that students are to have the required clock hours of instruction, we use SCORM compliant software programs. This allows students to resume the course where they left off if they wish to take the course over several sittings; it also ensures that the student has completed the course's required hours of instruction. Students are able to their course 24 hours per day, 7 days per week.

To ensure the students identity for the course, our system employs "Sprinkler Identification" throughout the program, i.e., there are questions asked of the end user such as "What is your favorite movie?" "What is your favorite food?" "What is your favorite color?" and so forth. We have chosen these particular questions as they do not pry unnecessarily into the student's life yet only the student will know the appropriate answer. A student must answer the question with an appropriate response, otherwise the student will not receive credit for that portion of the program. The ID check questions are asked at least 2 times per clock hour of instruction.

- I. Chapter 1-Scope and Administration
 - A. 102.2 Building
 - 1) Building and structures specifically regulated and preempted by the federal government.
 - 2) Railroads and ancillary facilities associated with the railroad.
 - 3) Nonresidential farm buildings on farms.
 - 4) Temporary buildings or sheds used exclusively for construction purposes.
 - B. 102.2.3 Building Official
 - C. 102.2.4 Amusement park rides jurisdiction
 - D. 105.2.2 Minor Repairs

- II. Chapter 2-Definitions
 - A. Awning
 - B. Canopy
 - C. Carbon Monoxide Alarm
 - D. Day-care home
 - E. Day-care occupancy
 - F. Family day care homes
 - G. Flexible plan buildings
 - H. High-rise building
 - I. Light-frame construction
 - J. Open plan buildings
 - K. Openings
 - L. Primary Structural Frame
 - 1) The columns
 - 2) Structural members having direct connections
 - 3) Members of the floor construction
 - 4) Bracing members
 - M. Reflective plastic core foil insulation
 - N. Valley
 - O. Value
 - P. Walkway, covered
 - Q. Walkway, enclosed

- III. Chapter 3-Use and Occupancy Classifications
 - A. 303.1.1 Restaurants
 - B. 304.1.1 Definitions
 - 1) Clinic, Outpatient

- IV. Chapter 4- Special Detailer Requirements Based on Use and Occupancy
 - A. 402.1.1 Occupancy
 - B. 402.7.1 Attached garage
 - C. 402.8 Interior finish
 - D. 402.16.4 Plastics other than foam plastics
 - E. 403.2.1.2 Shaft enclosures
 - F. 403.3.1 Sprinkler risers
 - G. 403.5.4 Smokeproof exit enclosures
 - H. 403.5.5 Luminous egress path markings
 - I. 403.6.1 Fire service access elevator
 - J. 403.6.2 Occupancy evacuation elevators
 - K. 405.1 General-Building spaces between floor levels
 - L. 405.4.1 Number of compartments

- V. Chapter 5-General Building Heights and Areas
 - A. 501.2 Address identification
 - B. 504.3 Roof structures
 - C. 505.1-Mezzanine

- D. 506.4 Single occupancy buildings
- E. 506.4 EXCEPTION- Single basement

- VI. Chapter 6-Types of Construction
 - A. 602.1 General

- VII. Chapter 7-Fire and Smoke Protection Features
 - A. 701.1 Scope
 - B. 703.2 Fire-resistance ratings
 - C. 703.2 EXCEPTION
 - D. 704.13.2 Manufacturer's installation instructions
 - E. 704.13.3 Substrate condition
 - F. 704.13.3.1 Surface conditions
 - G. 704.13.3.2 Primers, paints and encapsulants
 - H. 704.13.4 Temperature
 - I. 704.13.5 Finished condition
 - J. 705.2 Projections
 - 1) A point one-third the distance from the exterior face of the wall
 - 2) A point one-half the distance from the exterior face of the wall
 - 3) More than 12 inches (305 mm) into areas where openings are prohibited
 - K. 705.8.5 Vertical separation of openings
 - L. 705.8.5 EXCEPTION
 - M. 706.5.1 Exterior Walls
 - N. 711.5.2 Smoke and draft control doors

- VIII. Chapter 8- Interior Finished
 - A. 801.2 Interior wall and ceiling finish
 - B. 801.3 Interior floor finish
 - C. 803.5 Textile wall coverings
 - D. 803.6 Textile ceiling coverings
 - E. 803.7 Expanded vinyl wall coverings

- IX. Chapter 9- Fire Protection Systems
 - A. 901.7 Fire areas
 - B. 906.2 General requirements
 - C. 906.2 EXCEPTIONS
 - D. 906.9 Extinguisher installation
 - E. 906.9.1 Extinguisher weighing 40 pounds or less
 - F. 906.9.2 Extinguisher weighing more than 40 pounds

- X. Chapter 10- Means of Egress
 - A. 1005.1 Minimum required egress width

- XI. Chapter 11-Accessibility
 - A. 1101.1 Scope

- B. 1101.1.1 Criteria

- XII. Chapter 12- Interior Environment
 - A. 1203.2 Attic spaces
 - B. 1210.1 Floors and wall base finish materials
 - C. 1210.2 Walls and partions

- XIII. Chapter 13-Energy Efficiency
 - A. 1301.1 Scope
 - B. 1301.1.1 Criteria.

- XIV. Chapter 14-Exterior Walls

Time Breakdown.

- I. Chapter 1-Scope and Administration (0:06:25)
- II. Chapter 2-Definitions (0:08:45)
- III. Chapter 3-Use and Occupancy Classifications (0:02:15)
- IV. Chapter 4- Special Detailer Requirements Based on Use and Occupancy (0:07:30)
- V. Chapter 5-General Building Heights and Areas (0:05:00)
- VI. Chapter 6-Types of Construction (0:01:00)
- VII. Chapter 7-Fire and Smoke Protection Features (0:14:15)
- VIII. Chapter 8- Interior Finished (0:03:00)
- IX. Chapter 9- Fire Protection Systems (0:03:00)
- X. Chapter 10- Means of Egress (0:02:45)
- XI. Chapter 11-Accessibility (0:00:30)
- XII. Chapter 12- Interior Environment (0:02:15)
- XIII. Chapter 13-Energy Efficiency (0:00:30)
- XIV. Chapter 14-Exterior Walls (0:01:30)



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