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SESSION DESCRIPTIONS

MONDAY 3/21 SESSIONS

2012 IBC Essentials

CEU: 0.8

Session 1



This seminar focuses on the basic concepts of the 2012 *International Building Code*® (IBC®). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This course will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them. It will address the organization of the code and how it relates to the ICC family of *International Codes*® (I-Codes®).

Experience Level: Intermediate

Instructor: George Mann

NEC Requirements: From the Beginning

CEU: 0.8

Session 2



Ever wondered where to find all those basic installation requirements in the *National Electrical Code*? This seminar covers the basic requirements from the very beginning of the NEC, including minimum required working space, dedicated equipment space, electrical terminations, definitions, inspector responsibilities, and basic wiring requirements. Photos and diagrams will be used to explain the various rules. This class and “Electrical Inspections Basics” are independent, but together provide excellent basic instruction.

Experience Level: Intermediate

Instructors: Christel Hunter and Randy Hunter

Book Fee: \$25

2015 IFC Essentials

CEU: 0.8

Session 3



This seminar will introduce the application of the *International Fire Code*® (IFC®) administrative requirements; occupancy classifications; general precautions against fire, emergency planning and preparedness; fire service features; interior finishes; decorative materials and furnishings; fire protection systems; and means of egress. It will also provide an introduction to hazardous materials. Activities and discussions will further enhance participant learning.

Experience Level: Intermediate

Instructor: Terrell Stripling

Building Areas, Mixed Occupancies and Fire Areas

CEU: 0.8

Session 4



This seminar provides a comprehensive discussion of the major compartmentalization concepts of the *International Building Code*® (IBC®), focusing on those requirements that deal with building size, sprinkler options and mixed-use buildings. Fire-resistance-rated construction is also addressed. This class will include topics on allowable areas, area increases, unlimited area buildings, fire area concept and construction, incidental/accessory use areas and separated/non-separated uses.

Experience Level: Intermediate

Instructor: Steve Thomas

2015 IRC Plan Review

CEU: 0.8

Session 5



Designed to provide a broad overview of the process for residential plan review, this one day course will provide the basic steps involved to complete a comprehensive review of a residence based on the *International Residential Code*® (IRC®). The class will discuss the tools and process for conducting a residential plan review. It will also increase your awareness of the necessary items required to ensure code compliance of the homes built in your jurisdiction.

Experience Level: Intermediate

Instructor: Colorado Code Consultants

2015 IFC Fire Protection Systems

CEU: 0.8

Session 6



This seminar is designed to guide participants through the 2015 *International Fire Code*® (IFC®) requirements related to fire protection systems (Chapter 9). These requirements include suppression systems, standpipe systems, automatic fire alarm systems, automatic detection systems and additional fire protection assemblies.

Experience Level: Intermediate

Instructor: Kevin Scott

SESSION DESCRIPTIONS

MONDAY 3/21 SESSIONS

2015 UPC/IPC Code Changes — Half Day AM

CEU: 0.4

Session 7



Keep up-to-date on the *Uniform Plumbing Code*® (UPC®) and the *International Plumbing Code*® (IPC®) by learning about the changes from the 2012 to the 2015 editions. The notable changes to the code will be discussed in-depth and in a way that makes the discussion meaningful to attendees. Each notable change will be shown so attendees can see exactly how the code changed. Further discussions will examine why the code changed and what impact it will have on the code enforcement and installer communities.

Experience Level: All

Instructor: Tim Collings

2015 UMC/IMC Code Changes — Half Day PM

CEU: 0.4

Session 8



Keep up-to-date on the *Uniform Mechanical Code*® (UMC®) and the *International Mechanical Code*® (IMC®) by learning about the changes from the 2012 to the 2015 editions. The notable changes to the code will be discussed in-depth and in a way that makes the discussion meaningful to attendees. Each notable change will be shown so attendees can see exactly how the code changed. Further discussions will examine why the code changed and what impact it will have on the code enforcement and installer communities.

Experience Level: All

Instructor: Tim Collings

Introduction to Leadership/Leadership Transition — Half Day AM

CEU: 0.4

Session 9



Reviews the key challenges and difference in needs when a person moves into a leadership position. Often described as the single most difficult career transition, the promotion to supervising, managing and leading others provides great opportunity to guide and direct others and move their performance through the application of your leadership skills. With the move to a leadership position, the expectations, responsibilities, and relationships change dramatically.

Experience Level: All

Instructor: Tim Schneider

Interpersonal Communication — Half Day PM

CEU: 0.4

Session 10



Provides the tools, skills and resources to ensure that messages are properly sent and received. This foundational skill set is extremely important as a success factor in leadership, customer service and team dynamics. All facets of the communication equation are reviewed and improved in this program.

Experience Level: All

Instructor: Tim Schneider

Cold Form Steel Design

CEU: 0.8

Session 11



This full-day will appeal to engineers, architects, or plan reviewers. Dr. Roger LaBoube, co-author of *Cold-Formed Steel Design* and Curator's Teaching Professor Emeritus in the Department of Civil Engineering and Director of the Wei-wen Yu Center for Cold-Formed Structures at the Missouri University of S&T, will be presenting. Dr. LaBoube will help clearly delineate and eliminate confusion between the requirements of cold-formed steel structural members and nonstructural members. This seminar will cover shear wall, braced wall and exterior wall design and the Inspection guide; design aids and examples.

Experience Level: All

Instructor: Roger LaBoube

2015 IBC Practical Occupancy Classification

CEU: 0.8

Session 12



This class is an interactive workshop that will discuss the characteristics of the various *International Building Code*® (IBC®) occupancy classifications in detail. Practical application will be emphasized through the utilization of the risk-based system to properly classify occupancies. Subtle differences between occupancy, use and function will be addressed. Attendees will become familiar with the unique aspects of Group H occupancy classification. Countless detailed code requirements are based on occupancy classification. It is imperative that design professionals and code enforcement officials fully understand this important first step to building design and analysis. Applicable changes to the 2015 IBC will be discussed in context with highlighted provisions.

Experience Level: Advanced

Instructor: Greg Keith

SESSION DESCRIPTIONS

MONDAY 3/21 SESSIONS

Update on Foreclosures and Abandonments and Compliance Connections – Finding out Who Is Responsible — Half Day AM CEU: 0.4 **Session 13**



Have vacant properties? Understand the ins and outs of the foreclosure process? Frustrated with not being able to find the lien holder or get a response to your outreach? Then come to this class for the answers! Learn about the mortgage and foreclosure processes and receive insight into the roles taken by banks to preserve vacant properties. Add efficiency to your day with an in-depth demo and “how to” of Compliance Connections. Walk away with knowledge and free resources that work!

Experience Level: All **Instructor:** Safeguard Properties

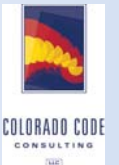
Dealing with Foreclosures, Bankruptcies and Receiverships — Half Day PM CEU: 0.4 **Session 14**



The mortgage crisis has caused a disproportionate number of properties to revert to the control of banks, receivers and attorneys who are negotiating distribution of assets and who are not very concerned about code violations. This situation requires that the local code official consider different strategies for compelling property clean-up and code compliance on the part of the persons or firms who have not traditionally had to address such issues. The course will include a discussion on ordinance revisions to strengthen the code officer’s position with legal and financial intermediaries as well as other regulatory and nonregulatory approaches that local government can use to encourage timely compliance

Experience Level: All **Instructor:** Marcus Kellum

The House as a System — Half Day AM CEU: 0.4 **Session 15**



This class will introduce the student to the concept of building science, focusing on how the systems that make up a house (i.e., envelope, mechanical, lighting) all affect each other and how to verify changes in those systems.

Experience Level: All **Instructor:** Shaunna Mozingo

Residential Energy 101 — Half Day PM CEU: 0.4 **Session 16**



This class will introduce the student to the basic residential energy requirements as well as the various paths to compliance, tools to show compliance, and the flexibility built into the code.

Experience Level: All **Instructor:** Shaunna Mozingo

The Complete Permit Technician — Day One CEU: 0.8 **Session 17**

This two-day course is intended to provide essential information in the areas of code administration and history; legal aspects; customer service; basic plan review; inspection process; zoning requirements; permit fee calculations; basic occupancy and construction types; basic means of egress; and dealing with difficult customers. The course is also beneficial for preparing for the Permit Technician Certification Exam. **Please bring a calculator, 2015 International Building Code® (IBC®), 2015 International Zoning Code® (IZC®), Legal Aspects of Code Administration and Basic Code Enforcement.**

Experience Level: All **Instructor:** Steve Burger, CBO, LEED AP

Inspector Skills CEU: 0.8 **Session 18**



This seminar addresses the necessary soft skills for success as an inspector — those nontechnical traits and behaviors that enhance an inspector’s ability to interact with others and to successfully carry out their job duties. These include people skills such as effective communication, diplomacy and customer service; but also include skills for problem solving, professionalism, integrity, and time management. In addition to a solid understanding of the technical provisions of the codes, developing appropriate soft skills are essential

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SESSION DESCRIPTIONS

MONDAY 3/21 SESSIONS

Inspector Skills (cont'd.)

in pursuing the goal of safe, healthy and durable buildings for the community. Developed specifically for construction in all disciplines, the topics covered are equally important to all employees of public service agencies including permit technicians, plan reviewers, managers, building officials and fire code officials. The information is also beneficial for developing policies and procedures to promote consistent and fair inspection practices while improving communications and public relations.

Experience Level: All

Instructor: John Gibson

TUESDAY 3/22 SESSIONS

2012 IRC Essentials

CEU: 0.8

Session 19



This seminar examines critical concepts of the building and energy provisions located in Chapters 1 to 11 of the 2012 *International Residential Code*® (IRC®). It provides a basis for the correct use and application of the code and builds on an understanding of the intent of the code through practice with real-world examples.

Experience Level: Intermediate

Instructor: Steve Van Note

Electrical Inspections Basics

CEU: 0.8

Session 20



This seminar takes you through basic commercial and residential inspection checklists using detailed photos to explain the installation requirements for electrical equipment. Photos showing correct and incorrect installation methods will be used to illustrate NEC requirements and installation requirements published by equipment manufacturers. This is an introductory course for inspectors with limited electrical experience and those new to inspections, and will be beneficial for others who would like a refresher on electrical installations. Engineers with a desire to learn more about field installations will also benefit. This class and “NEC: From the Beginning” are independent, but together provide excellent basic instruction.

Experience Level: Intermediate

Instructors: Rick O'Brien, Pete Fergen and Randy Hunter **Book Fee:** \$25

2015 IBC Fire and Life Safety Principles

CEU: 0.8

Session 21



This seminar addresses the critical concepts of the 2015 *International Building Code*® (IBC®) regarding fire and life safety issues. These concepts provide a basis for the correct use of the code in building planning, classification of buildings and occupancies, fire-resistance-rated construction, fire protection systems and means of egress. The content addresses issues that are necessary for many designs and plan review decisions.

Experience Level: Intermediate

Instructor: George Mann

2015 IBC Means of Egress

CEU: 0.8

Session 22



This class is a basic overview of the means of egress requirements included in Chapter 10 of the *International Building Code*® (IBC®). The presentation will include detailed discussions on the design of the means of egress in buildings. Subjects included in the class are the three parts of the means of egress including occupant loads, egress width, number of exits, travel distance, common path of egress travel and exit enclosures. Practical examples will be used to illustrate code requirements.

Experience Level: All

Instructor: Steve Thomas

Combination Inspections of Commercial Structures

CEU: 0.8

Session 23



Provides commercial inspectors with basic techniques and a better understanding of conducting inspections of small commercial buildings. The discussion will include preparation, presentation and inspection of the structural, plumbing, mechanical and electrical portions of a building. This course will provide the steps, tools and processes required to complete a comprehensive inspection of a structure. It will also increase awareness of the necessary requirements to ensure code compliance of the structures built in your jurisdiction.

Experience Level: Intermediate

Instructor: Colorado Code Consultants

SESSION DESCRIPTIONS

TUESDAY 3/22 SESSIONS

Storage Occupancies (NFPA 13, 2013 Edition)

CEU: 0.8

Session 24



This course is a hands-on examination of storage occupancies as defined in the 2013 edition of NFPA 13, and requires an understanding of sprinkler systems and basic layout principles. It includes a review of the organization of the standard in relation to storage definitions, classification of storage commodities, and how to locate and apply the requirements for storage protection. Attendees will complete exercises to determine protection criteria for a number of storage arrangements and commodities. Learning objectives

for this course include the ability to explain the organization of chapters related to storage; classify commodities; find and apply definitions of storage terms; and locate and apply storage requirements. This seminar benefits contractors, engineers, layout technicians and AHJs.

Experience Level: Intermediate

Instructor: Russ Leavitt

2012 UPC/IPC Workshop — Half Day AM

CEU: 0.4

Session 25



Apply your code knowledge of the *Uniform Plumbing Code*® (UPC®) and the *International Plumbing Code*® (IPC®) and expertise in this dynamic, hands-on workshop. Attendees will examine drawings of plumbing systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience.

Experience Level: All

Instructor: Tim Collings

2012 UMC/IMC Workshop — Half Day PM

CEU: 0.4

Session 26



Apply your code knowledge of the *Uniform Mechanical Code*® (UMC®) and the *International Mechanical Code*® (IMC®) and expertise in this dynamic hands-on workshop. Attendees will examine drawings of mechanical systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience.

Experience Level: All

Instructor: Tim Collings

Tone Setting, Morale and Motivation — Half Day AM

CEU: 0.4

Session 27



This program attacks the primary principles of people-centered leadership by providing the skills needed to encourage people to want to work for you. The individual connection from leader to team and how that relates to motivation, satisfaction, and production is the primary focus of this unit.

Experience Level: All

Instructor: Tim Schneider

Coaching I-Providing Feedback — Half Day PM

CEU: 0.4

Session 28



Coaching Skills are at the core of all good supervision, management and executive leadership. The nature of coaching in successful leadership is the engagement of team members and conducting a steady stream of performance enhancing communication. Effective leaders understand that coaching is at the core of the day-to-day operations and the most effective method of letting team members know how they are doing. Coaching is also the best and most effective method to build future talent for the organization.

Experience Level: All

Instructor: Tim Schneider

Multi-Story Wood Design

CEU: 0.8

Session 29



This seminar is geared toward engineers, architects and plan examiners. The presentation will go over the important aspects of designing multi-story wood framed structures, including designing for wood shrinkage, tie down rod elongations, wood crushing, and load paths for continuous tie-down systems. The presentation will also discuss code issues related to when torsion analysis is necessary to consider, as well as open front structures and ongoing research of them. Proposed code changes for the next NDS Special Design Provisions for Wind & Seismic will also be presented along with special considerations for drag trusses.

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SESSION DESCRIPTIONS
TUESDAY 3/22 SESSIONS

Multi-Story Wood Design (cont'd)

Seismic design and detailing examples include: multistoried wood frame structure, wood frame structure over podium slab, and wood frame structure over basement.

Experience Level: All

Instructor: Doug Thompson

2015 IBC Occupancy-Based Requirements

CEU: 0.8

Session 30



This class is an interactive workshop that will demonstrate the system of determining those major nonstructural code requirements that are based on occupancy classification. Location on property requirements, including exterior wall fire-resistance rating and opening protective requirements based on fire separation distance will be discussed in detail. Mixed occupancy design options for single- and multi-story applications will be demystified. Allowable area determination based on permitted frontage, sprinkler and separate building increases will be stressed. Allowable height determination procedures will also be addressed. Comprehensive practical exercises will reinforce the technical relationships between the various occupancy-based design requirements. Applicable changes to the 2015 *International Building Code*® (IBC®) will be discussed in context with discussed provisions.

Experience Level: Advanced

Instructor: Greg Keith

The 4th Amendment and Sovereign Citizens

CEU: 0.8

Session 31



This is a full day class in which we will discuss constitutional requirements for inspections by code enforcement, building and other city/county inspectors. We will also discuss warrants and sovereign citizens, who are growing in number and who pose an increasing problem for enforcement officials.

Experience Level: All

Instructor: Mathew Silver

Emerging Energy Innovations and Technologies — Half Day AM

CEU: 0.4

Session 32



This course is based on the *International Energy Conservation Code*® (IECC®). This code is intended to provide flexibility to permit the use of innovative approaches and techniques. With this in mind, this course will cover emerging technologies such as battery storage, alternate load calculation software, new construction materials and much more. We will further discuss if and how we allow for them, how our policies and procedures could hinder them and how to verify compliance for them.

Experience Level: All

Instructor: Shaunna Mozingo

IECC for Multi-Family Dwellings — Half Day PM

CEU: 0.4

Session 33



This course is based on the *International Energy Conservation Code*® (IECC®). Because the IECC states that R-2 Occupancies can be either residential or commercial, depending on building height, we have to look at both the 2015 residential and commercial energy code requirements for multi-family buildings, including identified problems with compliance and possible solutions. We will cover changes that took place between the 2009, 2012 and 2015 editions of the IECC.

Experience Level: All

Instructor: Shaunna Mozingo

The Complete Permit Technician — Day Two

CEU: 0.8

Session 17

This is the second day of a two-day course that began on Monday 03/21. This course is intended to provide essential information in the areas of code administration and history; legal aspects; customer service; basic plan review; inspection process; zoning requirements; permit fee calculations; basic occupancy and construction types; basic means of egress; and dealing with difficult customers. The course is also beneficial for preparing for the Permit Technician Certification Exam. **Please bring a calculator, 2015 International Building Code**® (IBC®), **2015 International Zoning Code**® (IZC®), **Legal Aspects of Code Administration and Basic Code Enforcement**.

Experience Level: All

Instructor: Steve Burger, CBO, LEED AP

SESSION DESCRIPTIONS

TUESDAY 3/22 SESSIONS

Navigating the Certification Maze — Half Day AM

CEU: 0.4

Session 34



Product certification marks are issued by accredited third-party testing and certification agencies and found on a wide range of products, including electrical and gas appliances, plumbing products, heating and ventilation equipment and lighting products. Building codes rely on the use of tested and certified products and equipment that meet safety and performance standards. Although many jurisdictions require that certification marks appear on products installed in buildings, confusion remains about what certification marks mean, who is qualified to perform product testing and certification and issue the marks.

This 4-hour course guides the participant through the testing and certification process, and highlights the roles and responsibilities that product manufacturers, standards development organizations, third-party testing and certification agencies and Authorities Having Jurisdiction (AHJ) all share in ensuring that the products and equipment installed in residential and commercial buildings will not endanger public safety and health.

This course also addresses the importance of combating counterfeit products in the global marketplace and provides practical tips on identifying such products that could place consumers at risk of serious injury, illness or death.

Experience Level: All

Instructor: Lisa Reiheld

Residential Deck Construction — Half Day PM

CEU: 0.4

Session 35



This seminar introduces minimum requirements for basic design and construction methods for residential wood decks. The discussion will include the vertical and lateral load paths of conventional residential decks that are now addressed in the 2015 *International Residential Code*® (IRC®). Specific design guidance includes convenient span tables for joists and beams, charts of post sizing limitations and connection methods, as well as applicable life safety requirements for guards, handrails and stairs.

Experience Level: Intermediate

Instructor: Sandra Hyde

WEDNESDAY 3/23 SESSIONS

2015 IRC Update — Half Day AM

CEU: 0.4

Session 36



It is important to have an up-to-date residential construction code addressing the design and construction of one- and two-family dwellings and townhouses to protect the health and safety of the public, as well as provide affordable housing. There have been key changes made to the *International Residential Code*® (IRC®) since the 2012 edition. This seminar highlights many of the differences between the 2012 and 2015 editions. The scope of the IRC requires compliance with the *International Building Code*® (IBC®). This course will identify important changes in the IRC from the 2012 to 2015 edition. Participants will be presented with those changes that will most impact their use of the code when they adopt the 2015 IRC. The learner will receive an overview of the most important code changes.

Experience Level: All

Instructor: Steve Van Note

2015 IBC Update — Half Day PM

CEU: 0.4

Session 37



The *International Building Code*® (IBC®) continues to establish minimum regulations for building systems using prescriptive and performance-related provisions. It is founded on principles that make use of new materials and new building designs. This course will identify important changes in the IBC from the 2012 to 2015 edition. Participants will be presented with those changes that will most impact their use of the code when they adopt the 2015 IBC. The learner will receive an overview of the most important code changes.

Experience Level: Intermediate

Instructor: John Gibson

2014 NEC Analysis of Changes

CEU: 0.8

Session 38



Learn about the most crucial *National Electrical Code*® (NEC®) changes that impact your work! IAEI and NFPA, the two major authorities on code interpretation and enforcement, present these vital changes in an easy-to-use format filled with valuable advice from the experts. This extensive and popular program analyzes the major changes to the 2014 NEC. The cost of this seminar includes a copy of the IAEI's *Analysis of Changes*. The full-color book has clear illustrations, photos and text that explain the changes and their impact. Members of the nineteen code-making panels contributed to the development of this authoritative text.

Experience Level: Intermediate

Instructors: Christel Hunter and Randy Hunter

Book Fee: \$68.50

SESSION DESCRIPTIONS
WEDNESDAY 3/23 SESSIONS

2015 IFC Update — Half Day AM

CEU: 0.4

Session 39



The 2015 edition of the *International Fire Code*® (IFC®) continues to meet the need for a modern, up-to-date fire code that addresses conditions hazardous to life and property arising from fire; explosion; hazardous materials storage, handling or use; and the use and occupancy of buildings and premises. This course will identify important changes in the IFC from the 2012 to 2015 edition. Participants will be presented with those changes that will most impact their use of the code when they adopt the 2015 IFC. The learner will receive an overview of the most important code changes.

Experience Level: Intermediate

Instructor: Terrell Stripling

2015 ICC Commercial Kitchen Hoods — Half Day PM

CEU: 0.4

Session 40



This seminar will address the applicable requirements in the 2015 *International Mechanical Code*® (IMC®), 2015 *International Fire Code*® (IFC®), 2015 *International Fuel Gas Code*® (IFGC®), 2015 *International Building Code*® (IBC®) and 2015 *International Energy Conservation Code*® (IECC®) as applicable to commercial kitchen hoods. It emphasizes commercial hood and duct construction, when commercial hoods are required, what type of hood is required for different cooking appliances, and air movement requirements for commercial cooking hoods.

Experience Level: Intermediate

Instructor: Terrell Stripling

Fire-Resistant-Rated Construction

CEU: 0.8

Session 41



This seminar focuses on those elements of buildings that are required to be fire-resistance-rated due to other provision of the code. Based on the *International Building Code*® (IBC®), provisions applicable to all of the occupancies and construction types will be addressed. The seminar is applicable to all aspects of the regulatory, design and construction communities including building officials, fire officials, plans examiners, inspectors, design professionals and contractors. Major topics include: required fire-resistance-rated construction in the IBC; resources to verify fire-resistance-rated construction; fire walls; fire barriers and fire partitions; horizontal assemblies; shaft enclosures; fire doors and fire windows; penetrations and joints; fire dampers and smoke dampers; fire-blocking and draft-stopping.

Experience Level: Intermediate

Instructor: Steve Thomas

2015 IBC Commercial Plan Review

CEU: 0.8

Session 42



This seminar explains the process of conducting a plan review for small/medium sized commercial projects. It will cover the Building, Plumbing, Mechanical and Electrical requirements for commercial projects. This seminar will focus on the building code portion of reviews based on the *International Building Code*® (IBC®) and on the plumbing, mechanical and electrical portion of the review. The class will provide students with formats, process and understanding of how to conduct a commercial plan review.

Experience Level: All

Instructor: Colorado Code Consultants

NFPA 14 — Half Day AM

CEU: 0.4

Session 43



This 4-hour course focuses on the design and installation of standpipes while highlighting the 2013 edition changes of NFPA 14. This lecture-based seminar discusses key definitions, classes and types of standpipes, installation and design criteria, and the requirements for plans and calculations. Upon completion of this course, the student should be able to explain the organization and key definitions in NFPA 14; describe the types and classes of standpipes; describe the installation criteria for standpipes; describe the design criteria for the types and classes of standpipes; and explain the requirements for plans and calculations for standpipes. **Participants are encouraged to bring a copy of NFPA 14-2013 edition to class.**

Experience Level: Intermediate

Instructor: Russ Leavitt

SESSION DESCRIPTIONS

WEDNESDAY 3/23 SESSIONS

NFPA 20 — Half Day PM

CEU: 0.4

Session 44



This 4-hour seminar focuses on the installation of stationary fire pumps and the requirements of the 2013 edition of NFPA 20. This lecture-based seminar discusses pump types and electric motor and diesel engine drivers, along with their associated controllers. The installation requirements for fire pumps are also reviewed. Upon completion of this course, participants should be able to: explain the organization of NFPA 20, describe the various types of fire pumps, locate and apply the basic installation requirements for stationary fire pumps, drivers, and controllers. This seminar benefits anyone who specifies, installs, or inspects stationary fire pumps. **Participants are encouraged to bring a copy of NFPA 20-2013 edition to class.**

Experience Level: Intermediate

Instructor: Russ Leavitt

2015 UPC/UMC Combination Inspections

CEU: 0.8

Session 45



With the increasing budgetary and staffing restraints being experienced on code enforcement departments across the country, more and more jurisdictions have to rely on performing combination inspections rather than having dedicated inspectors for each trade. This seminar is designed to provide the inspection and code basics for combination inspectors who find themselves inspecting plumbing and mechanical systems but have a background in another trade. The basics of the UPC and UMC will be discussed and organized in a manner that assists combination inspectors in understanding and enforcing these codes.

Experience Level: All

Instructor: Dan Rademacher

EQ I – Self-Awareness and Self-Management — Half Day AM

CEU: 0.4

Session 46



No one is able to manage and lead others unless they are able to manage themselves. The Self-Management program utilizes the personal half of emotional intelligence to build the skills needed to manage actions, words, demeanor, attitude and image correctly. The importance of a person's example and its impact on others is the primary focus of this unit.

Experience Level: All

Instructor: Tim Schneider

Coaching II – Delegation and Team Development — Half Day PM

CEU: 0.4

Session 47



Empowerment, delegation and development are the powerful tools and the skill set that takes coaching beyond feedback and into team growth and enhanced personal leadership effectiveness. The initial focus of this program is to overcome the common obstacles associated with delegation and transform simple task delegation into an empowerment process. The transition to empowerment is important in succession planning, developing team members and creating a truly high performance environment. The program will also contrast the difference between empowered delegation and the dumping of unimportant and unwanted tasks.

Experience Level: All

Instructor: Tim Schneider

Steel Design

CEU: 0.8

Session 48

WALTER P MOORE

This course will discuss Seismic Design. Attendees will be provided instruction based on the *National Earthquake Hazards Reduction Program (NEHRP) Technical Briefs: Brief #3, Seismic Design of Cast-in-Place Concrete Diaphragms, Cords and Collectors; Brief #5, Seismic Design of Composite Steel Deck and Concrete-filled Diaphragms; Brief #8, Seismic Design of Steel Special Concentrically Braced Frames Systems*. The class will further discuss the seismic provisions for structural steel buildings, based on the American Institute of Steel Construction (AISC 341.) for Pre-qualified Connection Detailing.

Experience Level: All

Instructor: Rafael Sabelli

2015 IBC Types of Construction Options

CEU: 0.8

Session 49



This class is an interactive workshop that will demonstrate the system for the determination of construction requirements based on type of construction. The differences between the various types of construction categories as identified in the *International Building Code® (IBC®)* will be discussed. Fire resistance, materials (noncombustible and combustible) and opening protection requirements will be emphasized. General high rise and smoke control requirements will be discussed. Techniques to select the proper type of construction for new construction and how to identify the type of construction for existing buildings will be stressed. Applicable changes to the 2015 IBC will be discussed in context with discussed provisions.

Experience Level: Advanced

Instructor: Greg Keith

SESSION DESCRIPTIONS
WEDNESDAY 3/23 SESSIONS

Courtroom Procedures for Officers and Inspectors — Half Day AM

CEU: 0.4

Session 50



This class introduces and reinforces guidelines for code officers while appearing in front of Enforcement Boards or Judges. Some officers may be unfamiliar with or new to testifying, so these guidelines are intended to acquaint officers with issues of procedure, evidence, and testimony while recognizing the fact that it may vary from county to county or from judge to judge.

Experience Level: All

Instructor: Marcus Kellum

Code Enforcement Procedures for Officers and Inspectors — Half Day PM

CEU: 0.4

Session 51



The role of the code enforcement officer or inspector in a municipality is one of respect and confidence. This class is designed to reflect knowledge of how code enforcement officers and inspectors can integrate best practices into their service delivery. Segments of the training will include the concept of creating an “Action Register” to track important tasks and deliverables. To manage work more efficiently, the Code Enforcement Continuum will be introduced as a tool to determine the level of enforcement necessary to close the case.

Experience Level: All

Instructor: Marcus Kellum

2015 IBC Dampers, Joints and Penetrations

CEU: 0.8

Session 52



This course discusses the details and requirements for dampers, penetration firestops and joint systems, including a look at the concepts, testing, and installation and where each of the systems is required by the code. The *International Building Code*® (IBC®) uses fire-resistive rated assemblies to protect the building’s structural system, to separate adjacent spaces within the building that are not compatible, or to separate and protect adjacent buildings. In addition, the code uses smoke-resistant assemblies to limit the spread of smoke within a building and the dangers it would create for the occupants. Any opening or penetration within the rated assemblies has the potential to reduce the assembly’s performance. This course will focus on the protection provided by dampers, penetration firestops and joint systems to ensure the building and occupants are adequately protected.

Experience Level: Intermediate

Instructor: Jay Woodward

Legal Aspects of Code Administration

CEU: 0.8

Session 53



Provides code officials with guidelines for administering the legal aspects of codes with regard to enforcement, prosecution and maintenance. In this course, participants will discuss historical consequences of ignoring the regulation of building construction and materials, and learn how to interpret and apply local government, state and federal legislative laws pertaining to the administration and enforcement of a building code. Participants will also be able to define and apply concepts which are legally important to the administration and enforcement of a building code and establish or document rules of procedure used before a board of building code appeals. By using the guidelines presented in the course, participants will learn how to effectively testify in a court of law.

Experience Level: All

Instructor: Bob Church

2015 IBC Concrete Quality and Field Practices — Half Day AM

CEU: 0.4

Session 54



This course discusses the construction and inspection applications of the *International Building Code*® (IBC®) and referenced standard for concrete design and construction, ACI 318-14, *Building Code Requirements for Structural Concrete*. For quality and testing of materials used in concrete construction, the appropriate American Society for Testing and Materials (ASTM) standard specifications are referenced directly. The program emphasizes proper field procedures and inspection practices for quality structural concrete. The materials presented in this seminar are designed to assist participants in determining acceptable or unacceptable construction applications for concrete and components from the 2015 IBC and the referenced standards.

Experience Level: Intermediate

Instructor: Jerry Neville

Continued on page 14

SESSION DESCRIPTIONS

TRACK	MONDAY MARCH 21	TUESDAY MARCH 22	WEDNESDAY MARCH 23	THURSDAY MARCH 24	FRIDAY MARCH 25
I-CODES	2012 IBC Essentials	2012 IRC Essentials	2015 IRC Update AM Session 36	2015 IBC Essentials Session 56 FULL DAY	2015 IRC Essentials Session 74 FULL DAY
	Session 1 FULL DAY	Session 19 FULL DAY	2015 IBC Update PM Session 37		
ELECTRICAL	NEC Requirements: From the Beginning	Electrical Inspections Basics	2014 NEC Analysis of Changes	Electrical Essentials Session 57 FULL DAY	Photovoltaic Inspections AM Session 75
	Session 2 FULL DAY	Session 20 FULL DAY	Session 38 FULL DAY		Swimming Pool Electrical Systems PM Session 76
FIRE PROTECTION	2015 IFC Essentials	2015 IBC Fire and Life Safety Principles Session 21 FULL DAY	2015 IFC Update AM Session 39	2015 IFC and IBC Hazardous Materials Provisions Session 58 FULL DAY	2015 IFC Performing Commercial Fire Inspections Session 77 FULL DAY
	Session 3 FULL DAY		2015 ICC Commercial Kitchen Hoods PM Session 40		
BUILDING PLAN REVIEW	Building Areas, Mixed Occupancies and Fire Areas Session 4 FULL DAY	IBC Means of Egress Session 22 FULL DAY	Fire-Resistant-Rated Construction Session 41 FULL DAY	Overview of Accessibility Requirements Session 59 FULL DAY	Special Inspections — Enforcement of Chapter 17 Session 78 FULL DAY
BUILDING PLAN REVIEW AND INSPECTIONS	IRC Plan Review	Combination Inspections of Commercial Structures Session 23 FULL DAY	IBC Commercial Plan Review Session 42 FULL DAY	IRC Residential Inspections Session 60 FULL DAY	Prescriptive Requirements of Chapter 34 and the IEBC AM Session 79
	Session 5 FULL DAY		IBC Commercial Plan Review Session 42 FULL DAY		Work Area Provisions and Compliance Alternatives in the IEBC PM Session 80
FIRE SYSTEMS	2015 IFC Fire Protection Systems Session 6 FULL DAY	Storage Occupancies (NFPA 13, 2013 Edition) Session 24 FULL DAY	NFPA 14 AM Session 43	Residential Fire Sprinklers Session 61 FULL DAY	Hydraulic Calculations Session 81 FULL DAY
			NFPA 20 PM Session 44		
PLUMBING AND MECHANICAL	2015 UPC/IPC Code Changes AM Session 7	2012 UPC/IPC Workshop AM Session 25	2015 UPC/UMC Combination Inspections Session 45 FULL DAY	2015 UMC Special Topics: Access and Protection of Equipment and Installation of Specific Appliances AM Session 62	Inspecting Solar Water Heating and Radiant Systems AM Session 82
	2015 UMC/IMC Code Changes PM Session 8	2012 UMC/IMC Workshop PM Session 26		2015 UMC Special Topics: Point of Use Tempering Mixing Valves and Thermal Expansion PM Session 63	Emerging Technologies in the Plumbing and Mechanical Fields PM Session 83
<p>Registration – Opens 6:30 a.m. to 1:00 p.m. each day EXPO and Bookstores – Open 7:00 a.m. to 5:00 p.m. each day</p>					

SESSION DESCRIPTIONS

TRACK	MONDAY MARCH 21	TUESDAY MARCH 22	WEDNESDAY MARCH 23	THURSDAY MARCH 24	FRIDAY MARCH 25
LEADERSHIP AND MANAGEMENT	Introduction to Leadership/ Leadership Transition AM Session 9	Tone Setting, Morale and Motivation AM Session 27	EQ I – Self-Awareness and Self-Management AM Session 46	Courage, Risk and Thinking AM Session 64	Ethics and Decision Making AM Session 84
	Interpersonal Communication PM Session 10	Coaching I – Providing Feedback PM Session 28	Coaching II – Delegation and Team Development PM Session 47	EQ II – Personal Power and Relationships PM Session 65	Change and Innovation PM Session 85
STRUCTURAL ENGINEERING AND INSPECTION	Cold-Form Steel Design Session 11 FULL DAY	Multi-Story Wood Design Session 29 FULL DAY	Steel Design Session 48 FULL DAY	Geotech — Code and Local Reference Session 66 FULL DAY	2015 IRC Wall Bracing Session 86 FULL DAY
ADVANCED IBC TOPICS	2015 IBC Practical Occupancy Classification Session 12 FULL DAY	2015 IBC Occupancy-Based Requirements Session 30 FULL DAY	2015 IBC Types of Construction Options Session 49 FULL DAY	2015 IBC Prescriptive Means of Egress Components Session 67 FULL DAY	2015 IBC Performance-Based Means of Egress Design Session 87 FULL DAY
CODE ENFORCEMENT	Update on Foreclosures and Abandonments and Compliance Connections – Finding out Who is Responsible AM Session 13	The 4th Amendment and Sovereign Citizens Session 31 FULL DAY	Courtroom Procedures for Officers and Inspectors AM Session 50	Legal Aspects of Code Enforcement AM Session 68	Introduction to Drones: History, Technology, Future Session 88 FULL DAY
	Dealing with Foreclosures, Bankruptcies and Receiverships PM Session 14		Code Enforcement Procedures for Officers and Inspectors PM Session 51	Customer Services Principles for Front-Line Municipal Staff PM Session 69	
FIRE RESISTANT CONSTRUCTION AND ENERGY	The House as a System AM Session 15	Energy Innovations and Technologies AM Session 32	2015 IBC Dampers, Joints and Penetrations Session 52 FULL DAY	Fire Resistance, Opening Protection and the Five Walls Session 70 FULL DAY	2015 IBC Use of Fire and Smoke Separations AM Session 89
	Residential Energy 101 PM Session 16	IECC for Multi-Family Dwellings PM Session 33			2015 IBC Fire-Resistance and Hazardous Uses PM Session 90
BUILDING OFFICIAL AND PERMIT TECHNICIAN	The Complete Permit Technician Day 1 Session 17 FULL DAY	The Complete Permit Technician Day 2 Session 17 FULL DAY	Legal Aspects of Code Administration Session 53 FULL DAY	Increasing the Credibility of the Building Official AM Session 71	Building Department Financial Management AM Session 91
				Ethics in Public Life PM Session 72	Building Department Personnel Management PM Session 92
SPECIAL INSPECTION AND SPECIAL TOPICS	Inspector Skills Session 18 FULL DAY	Navigating the Certification Maze AM Session 34	2015 IBC Concrete Quality and Field Practices AM Session 54	Special Inspection Overview Session 73 FULL DAY	Clandestine Drug Labs and Marijuana Facilities Session 93 FULL DAY
		Residential Deck Construction PM Session 35	Special Inspection of Spray Applied Fireproofing PM Session 55		

CHECK OUT OUR NETWORKING EVENTS

SESSION DESCRIPTIONS

WEDNESDAY 3/23 SESSIONS

Special Inspection of Spray Applied Fireproofing — Half Day PM

CEU: 0.4

Session 55



This seminar is tailored to the needs and interests of ICC's certified Spray-Applied Fireproofing special inspectors. The seminar will address the special inspection requirements for both spray-applied fire-resistive materials (AWCI Technical Manual 12-A) and field applied thin-film intumescent fire-resistive materials (AWCI Technical Manual 12-B). The seminar will also address the ICC testing and experience requirements for certification.

Experience Level: Intermediate

Instructor: Jerry Neville

THURSDAY 3/24 SESSIONS

2015 IBC Essentials

CEU: 0.8

Session 56



This seminar focuses on the basic concepts of the 2015 *International Building Code*® (IBC®). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This course will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying them. It will address the organization of the code and how it relates to the ICC family of International Codes® (I-Codes®).

Experience Level: Intermediate

Instructor: Jay Woodward

Electrical Essentials

CEU: 0.8

Session 57



This seminar is designed to provide a strong foundation of electrical knowledge for engineers, electricians and inspectors whose work requires using the *National Electrical Code*® (NEC®) to locate, interpret and apply requirements for electrical systems. Topics include basic electrical theory, NEC structure, load calculations for multiple occupancy types, basic plan reading and more. Class will be based on the 2014 NEC.

Experience Level: All

Instructors: Christel Hunter and Randy Hunter

Book Fee: \$25

2015 IFC and IBC Hazardous Materials Provisions

CEU: 0.8

Session 58



The 2015 *International Fire Code*® (IFC®) and *International Building Code*® (IBC®) Hazardous Materials Provisions seminar addresses requirements for buildings utilizing hazardous materials and requiring coordination between the fire and building codes. It reviews the requirements found in Chapters 50 through 67 of the IFC, as well as Chapter 3, and Sections 414 and 415 of the IBC.

Experience Level: Intermediate

Instructor: Kevin Scott

Overview of Accessibility Requirements

CEU: 0.8

Session 59



This class provides basic concepts of disabled accessible design and construction using the *International Building Code*® (IBC®) and *ICC/ANSI A117.1-2009*. The first portion of the class will discuss WHEN accessible features are required by the IBC. The remainder of the class will be devoted to HOW a building and its site is made accessible by the A117.1 Standard. This class is intended for the code user who is either new to accessible design or is in need of a refresher on the ever-changing requirements.

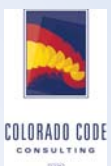
Experience Level: All

Instructor: Steve Thomas

2015 IRC Residential Inspections

CEU: 0.8

Session 60



Provides new residential inspectors with basic techniques and an understanding of conducting inspections of one- & two-family dwelling and townhouse buildings. The discussion will be based on the *International Residential Code*® (IRC®) and include preparation, presentation and inspections of the building, plumbing, mechanical and electrical portions of a building.

Experience Level: All

Instructor: Colorado Code Consultants

SESSION DESCRIPTIONS
THURSDAY 3/24 SESSIONS

Residential Fire Sprinklers

CEU: 0.8

Session 61



This seminar will address the design and installation of sprinkler systems in residential occupancies, per *NFPA 13D, Standard for Installation of Sprinklers in One- and Two-Family Dwellings and Manufactured Homes*, 2013 edition, and the *International Residential Code® (IRC®)*. An understanding of the regulations for sprinkler spacing, components and hardware; hydraulic calculation exercises, along with water supply evaluations are all covered in detail. Installation requirements, including obstruction avoidance, heat zone limitations, pipe supports and valve criteria forming the foundation of such systems' design, are also presented so that attendees may accurately apply the information found in the standard. Included in the presentation are variations in the design requirements for residential or dwelling unit sprinklers found in NFPA 13 and NFPA 13R, to enhance the use of the proper criteria or standard.

Experience Level: Intermediate

Instructor: Russ Leavitt

2015 UMC Special Topics: Access and Protection of Equipment and Installation of Specific Appliances — Half Day AM

CEU: 0.4

Session 62



Dig a bit deeper into the UMC with these two specific topics. The second topic discusses the proper installation of specific appliances per the 2015 *Uniform Mechanical Code® (UMC®)*. Participants will walk away with a better understanding of the proper installation requirements and other related code provisions that guide these installations.

The purpose and mission of the UMC is to ensure the safe installation and use of mechanical systems and appliances. The portion of the class covering mechanical equipment access will cover access requirements to get to and safely service appliances on roofs and will specifically cover ladder, platform, and roof hatch requirements. Other topics will include access to equipment in attics, crawlspaces and other locations along with other special requirements such as walkways, service platforms, ceiling heights, lighting and certain energy code issues to watch for.

Experience Level: All

Instructor: Dan Rademacher

2012 UPC Advanced Topics: Point of Use Tempering Mixing Valves and Thermal Expansion — Half Day PM

CEU: 0.4

Session 63



To help take your level of expertise to a higher level, this seminar has been designed to discuss two very specific topics – point of use mixing valves and thermal expansion. Despite being around for quite some time, point of use tempering mixing valves seem to cause confusion and are often not well understood. This session will discuss these valves and how they work, where and when they should be installed,

as well as the ASSE standards that govern their use.

Thermal expansion in a piping system can lead to pipe failures and inefficient systems if not taken into consideration. This presentation discusses the concept of thermal expansion so that participants understand the physical changes that are occurring during this process. Also covered will be the code requirements that are in place to safeguard from the negative effects that can occur as a result of thermal expansion.

Experience Level: All

Instructor: Dan Rademacher

Courage, Risk and Thinking — Half Day AM

CEU: 0.4

Session 64



This session examines the delicate balance between courageous action and assessing the risk associated with that action. For leaders to be effective, they must summon the courage to act, speak and make decisions. As important as this is, effective leaders must also understand risk and the analysis necessary to make solid choices. Overcoming fear and learning the correct applications of courage are the beginning point of this program. From there, *Courage, Risk and Analysis* examines several key elements in leadership development related to how leaders view their world and ultimately, how successful they are at seeing the big picture. This program provides the skills needed to examine any project, proposal or operational function critically. This involves asking probing questions, inquiring about the “why” and connecting activities back to the core mission of a business. Another important part of this unit is to use critical thinking effectively while avoiding becoming the critic.

Experience Level: All

Instructor: Tim Schneider

SESSION DESCRIPTIONS
THURSDAY 3/24 SESSIONS

EQ II – Personal Power and Relationships — Half Day PM

CEU: 0.4

Session 65



The second half of emotional intelligence, Relationships and External Management, will focus on the projection of your personality and how you interact with others. In a leadership position, you cannot lead without the support of your followers. With more global working environments, you cannot lead without the support of your boss, team members, peers and customers. This program will examine the needed skills to ensure that you have the support needed to execute your plans and objectives and are well thought of in your organization.

Experience Level: All

Instructor: Tim Schneider

Geotech – Code and Local Reference

CEU: 0.8

Session 66



This seminar discusses provisions in the 2012 *International Building Code*® (IBC®) related to foundation design, earthwork construction and grading plans. Topics include minimum requirements for soils reports and grading plans associated with the construction of onsite structures. This seminar will also discuss changes to those provisions in the 2015 IBC. This seminar discusses provisions in the 2012 IBC related to the inspection of shallow foundations, deep foundations, and earthwork construction associated with the construction of onsite structures. This seminar will also discuss changes to those provisions in the 2015 IBC.

Experience Level: All

Instructor: Werner Helmer

2015 IBC Prescriptive Means of Egress Components

CEU: 0.8

Session 67



An interactive workshop that will discuss in detail the prescriptive construction requirements for the various means of egress components intended to support a given means of egress design. All means of egress components from doors to horizontal exits will be reviewed. How various exit access components, exit components and exit discharge components are used to satisfy certain means of egress design requirements will be discussed. Applicable changes to the 2015 *International Building Code*® (IBC®) will be discussed in context with highlighted provisions.

Experience Level: Advanced

Instructor: Greg Keith

Legal Aspects of Code Enforcement — Half Day AM

CEU: 0.4

Session 68



This class will provide an understanding of the legal foundation upon which code enforcement rests. Participants will learn many of the legal parameters in which they must work, including the history of ordinances and their enforcement, the hierarchy of laws and courts, the structure of local government, constitutional provisions relating to enforcement cases, "home rule," state laws relevant to enforcement cases, common ordinance provisions, types of court proceedings and the courts in which they are brought, and legal procedures.

Experience Level: All

Instructor: Marcus Kellum

Customer Service Principles for Front-Line Municipal Staff — Half Day PM

CEU: 0.4

Session 69



Knowing how to deliver great customer service in the code enforcement setting is one of the keys to building a relationship with a community. This program is designed to help a team, division, department or an entire municipal organization establish a service strategy and develop customer service behavioral standards to all citizen responders and front-line staff. The session explores the fundamentals of communicating with residents/customers and internal customers, whether face-to-face or over the telephone. How you say something is usually more important than what you say.

Experience Level: All

Instructor: Marcus Kellum

Fire Resistance, Opening Protection and the Five Walls

CEU: 0.8

Session 70



This seminar reviews fundamental principles found within Chapters 3 thru 10 of the *International Building Code*® (IBC®) as they pertain to the use of the five walls, their openings and opening protectives. Based on the 2015 IBC as far as references are concerned, regardless of the current IBC edition a jurisdiction may be enforcing, this seminar addresses guideline fundamentals and has proven to be a very insightful and helpful study of core code issues. These core issues are: definition of the five walls, elevators and elevator lobbies, exit access separation, vertical opening separation, occupancy separation, area separation, corridor separation, smoke compartmentation and the use of smoke barriers.

Experience Level: All

Instructor: David Dodge

SESSION DESCRIPTIONS
THURSDAY 3/24 SESSIONS

Increasing the Credibility of the Code Official — Half Day AM

CEU: 0.4

Session 71



Success as a code enforcement professional depends on credibility. Credibility and trust are necessary for effective relationships with the public. This course examines the issue of credibility as it relates to property owners, occupants, contractors, construction professionals and the media. Four areas of credibility are explored, including Personal Interaction, Professional Presentation, Technical Competence and Work Process.

Experience Level: All

Instructor: Tim Ryan

Ethics in Public Life — Half Day PM

CEU: 0.4

Session 72



This seminar presents the historical development of ethical theory and its practical application for building officials. The consequences of poor ethical decisions will be discussed and participants will have an opportunity to develop a personal code of ethics they can use to inform their behavior when solving ethical problems.

Experience Level: All

Instructor: Tim Ryan

Special Inspection Overview

CEU: 0.8

Session 73



This seminar is an overview of the Special Inspection Categories listed in Chapter 17 of the *International Building Code*® (IBC®). We will highlight the special inspector's duties, other stakeholders' duties, jurisdictional inspection vs. special inspection, and building department duties.

Experience Level: Intermediate

Instructor: Sandra Hyde

FRIDAY 3/25 SESSIONS

2015 IRC Essentials

CEU: 0.8

Session 74



This seminar examines basic concepts of the 2015 *International Residential Code*® (IRC®). These concepts provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IRC in specific situations and helps to build an understanding of the intent of the code when asked to make a judgment on code compliance. This course will also help the code user to correctly locate code requirements. It will also provide a basis for the correct use and application of the code as well as to begin to develop a procedure for applying requirements of the IRC.

Experience Level: Intermediate

Instructor: Steve Van Note

Photovoltaic Inspections — Half Day AM

CEU: 0.4

Session 75



This refresher course on residential and commercial PV systems inspections will cover the basics of common installation requirements and issues. Topics will include micro- and string-inverter systems, acceptable wiring methods, interconnection of PV and utility systems, and other requirements in the NEC and manufacturer's installation instructions.

Experience Level: Intermediate

Instructor: IAEI

Book Fee: \$25

Swimming Pool Electrical Systems — Half Day PM

CEU: 0.4

Session 76



Electricity and water do mix! Find out how to install and inspect swimming pool electrical systems safely and in compliance with the *National Electrical Code*® (NEC®). Photos will be used to illustrate the NEC requirements, including grounding and bonding, lighting, controls, wiring methods, and clearances. Southern Nevada local amendments will also be discussed.

Experience Level: Intermediate

Instructor: Randy Hunter

Book Fee: \$25

SESSION DESCRIPTIONS

FRIDAY 3/25 SESSIONS

2015 IFC Performing Commercial Fire Inspections

CEU: 0.8

Session 77



This seminar presents the process of conducting commercial fire inspections, following the provisions and requirements of the 2015 *International Fire Code*® (IFC®). Specifically, the seminar provides participants with checklists that enable those performing commercial fire inspections to determine whether the materials, design, construction, installation and location of building components comply with the code.

Experience Level: Intermediate

Instructor: Kevin Scott

Special Inspections – Enforcement of Chapter 17

CEU: 0.8

Session 78



This class discusses the requirements of Chapter 17 of the *International Building Code*® (IBC®). The student will learn the requirements for a special inspection agency and what components in a building are required to be inspected by an inspection agency. This class is designed for building department personnel to provide follow up inspections of special inspections and to understand the reports provided by the special inspector.

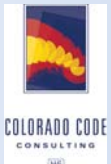
Experience Level: All

Instructor: Steve Thomas

Prescriptive Requirements of Chapter 34 and the IEBC — Half Day AM

CEU: 0.4

Session 79



This half-day class addresses the use the prescriptive portions of Chapter 34 of the *International Building Code*® (IBC®) and the *International Existing Building Code*® (IEBC®). It focuses on the fundamental requirements placed on an existing structure that undergoes repair work, alteration, renovation activity or construction of an addition, and the effect of a change in the building's occupancy classification.

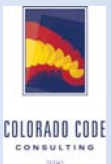
Experience Level: All

Instructor: Colorado Code Consultants

Work Area Provisions and Compliance Alternatives in the IEBC — Half Day PM

CEU: 0.4

Session 80



This half-day class addresses the use of the work area provisions and compliance alternative of the *International Existing Building Code*® (IEBC®). It focuses on two additional options to the prescriptive requirements to show compliance with the code. The class discusses work area requirements including Level 1, 2 and 3 alterations, as well as compliance alternatives method of evaluating work in an existing building.

Experience Level: All

Instructor: Colorado Code Consultants

Hydraulic Calculations

CEU: 0.8

Session 81



Understanding the principles of hydraulic calculations is at the core of estimating, design and system approval. This 8-hour seminar takes the attendee through the basics of hydraulic design including hazard analysis, design methods, criteria selection, water supplies, sprinkler flow and pressure, friction loss, and pressure balancing. The attendees follow a step-by-step hydraulic calculation of a simple tree system to illustrate each principle. Due to the limited time, attendees are required to bring a basic scientific calculator and possess an understanding of how to use the function keys. This seminar will benefit engineers, plan reviewers and layout technicians, particularly those working towards NICET certification.

Experience Level: Intermediate

Instructor: Russ Leavitt

Inspecting Solar Water Heating and Radiant Systems — Half Day AM

CEU: 0.4

Session 82



Recent years have seen an increase in the number of solar and radiant installations. As these systems become more popular, inspectors will need to be prepared to inspect them properly. This seminar discusses how solar water heating and radiant heating and cooling systems work, their common system designs and components. Attendees will then learn what parts of the system need the most attention during inspection, what to look for and common mistakes made during installations.

Experience Level: All

Instructor: Laura Biggie

SESSION DESCRIPTIONS

FRIDAY 3/25 SESSIONS

Emerging Technologies in the Plumbing and Mechanical Fields — Half Day PM **CEU: 0.4** **Session 83**



Technology is continually advancing in an attempt to simplify tasks and create higher levels of work efficiency. The inspection profession has seen a dramatic increase in the use of modern technology in the field in recent years. From the physical technology that inspectors use in the field, to the inspection management software jurisdictions use, to where technology is going in this profession, this presentation will discuss what is being observed (the good and sometimes not so good) in the real world. This informative seminar discusses the emerging technology and trends in the code enforcement field as well as new products and installations that will be seen in the field in the near future.

Experience Level: All

Instructor: Laura Biggie

Ethics in Decision Making — Half Day AM **CEU: 0.4** **Session 84**



Often described as natural or intuitive, Decision Making and Ethics are important leadership traits and skills. This program will guide participants through a series of triage work to determine the level of decision being made, the potential consequences of the decision and when to seek collaboration and when to make the decision as a leader. Additionally, the program looks at the pitfalls of delegating decision making upwardly and the appearance of indecisiveness with decision opportunities. The balance between the right amount of information, being rash and making a decision are also covered in detail. The final element of this section of the program will be to develop decision making systems that eliminate bottlenecks and greatly reduce micromangement.

Experience Level: All

Instructor: Tim Schneider

Change and Innovation — Half Day PM **CEU: 0.4** **Session 85**



The one constant at work and in our lives is change. Everything and everyone changes. Sometimes it appears that the world is in a constant state of flux. Innovation and Change Management provides the skills needed to accept and embrace change and work successfully in a changing environment. Beginning with understanding the reasons for change, this program guides participants through the typical change cycle and how people stress, cope and eventually adapt and perform.

Experience Level: All

Instructor: Tim Schneider

2015 IRC Wall Bracing **CEU: 0.8** **Session 86**



This seminar provides a comprehensive explanation of the 2015 *International Residential Code*® (IRC®) bracing requirements. The seminar will focus on basic requirements and clarify the application of wall bracing provisions in the IRC, Sections R602.10 thru R602.12.

Experience Level: Intermediate

Instructor: Sandra Hyde

2015 IBC Performance-Based Means of Egress Design **CEU: 0.8** **Session 87**



This class is an interactive workshop that will describe how to design a means of egress system based on Chapter 10 requirements from the *International Building Code*® (IBC®). The performance-based aspect of means of egress design that is intended to accommodate various building configurations will be emphasized. The “three-part” means of egress system provisions will be discussed in detail. The differences between capacity-based and occupant-tenability-based design requirements will be explained. Comprehensive practical exercises will reinforce the “system” of proper means of egress design. Applicable changes to the 2015 IBC, to include exit and exit access stairway provisions, will be discussed in context with highlighted material.

Experience Level: Advanced

Instructor: Greg Keith

SESSION DESCRIPTIONS

FRIDAY 3/25 SESSIONS

Introduction to Drones: History, Technology, Future

CEU: 0.8

Session 88



Introduction to Small Unmanned Aerial Systems “Drones.” The history of where it all started, where the technology is currently, and what the future holds—the good and the bad!
“Drone Deploy” Small Unmanned Aerial System Program Development, Planning, Flight Team Selection, FAA Authorization, and Equipment Selection: Is your agency looking to use this cost effective technology? Get the road map to successfully starting a drone program from those who have paved the way.

Experience Level: All

Instructors: John Buell and Michael Joseph

2015 IBC Use of Fire and Smoke Separations — Half Day AM

CEU: 0.4

Session 89



This seminar identifies the many and varied conditions identified in the *International Building Code*® (IBC®) where fire and/or smoke separations are required. The discussion will focus on those required locations where fire-resistance-rated wall and horizontal assemblies, as well as smoke-resistive wall and horizontal assemblies are either required by the IBC or utilized by design professionals as alternative approaches to code compliance. Such locations include the selective or mandated use of fire walls, fire barriers, fire partitions, smoke barriers, horizontal assemblies and other separation elements.

Experience Level: Intermediate

Instructor: George Mann

2015 IBC Fire-Resistance and Hazardous Uses — Half Day PM

CEU: 0.4

Session 90



This course identifies the various fire-resistive requirements applicable where hazardous uses are present. Fire-resistance-rated separations are often utilized as required enclosure elements for hazardous materials storage, or accepted as alternatives to required spatial separation. An extensive discussion of control areas as described in IBC Section 414.2 is provided. In addition, applicable provisions for Group H occupancies, incidental uses and separated occupancies are addressed. Specific requirements in the 2015 *International Fire Code*® (IFC®) regarding fire-resistance are also covered.

Experience Level: Intermediate

Instructor: George Mann

Building Department Financial Management — Half Day AM

CEU: 0.4

Session 91



This seminar describes how to manage building department finances using budgets, cost and revenue control, reporting and records management, and ways to improve and enhance financial and records management.

Experience Level: All

Instructor: Tim Ryan

Building Department Human Resources Management — Half Day PM

CEU: 0.4

Session 92



This seminar addresses the knowledge and skills necessary to successfully manage a staff of building department employees and a building inspections department. In addition to skills related to recruiting, hiring, and maintaining a dynamic staff, the seminar provides an overview of effective leadership and how it applies to the Building Department. Topics included will be of interest to new managers, as well as to experienced managers.

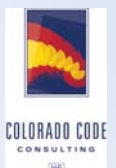
Experience Level: All

Instructor: Tim Ryan

Clandestine Drug Labs and Marijuana Facilities

CEU: 0.8

Session 93



Due to the recent passage of legalized marijuana across the country, inquiries for new and modifications to existing structures for such facilities have already begun. This class has been created to discuss the potential impact of such legislation on the built environment, based on situations that have been encountered in other states that have previously passed similar legislation and what effects Washington’s law might have on local jurisdictions.

Experience Level: All

Instructor: Colorado Code Consultants

REGISTRATION INFORMATION

Registration fees include: instruction, reference materials or books (when applicable and unless otherwise noted), lunch and break refreshments. Codes and other reference books are NOT provided and are the responsibility of the student. For your convenience, code books and other reference materials may be purchased from the International Code Council (ICC) on-site bookstore during the conference. Please review the session descriptions for required reference materials or supplies.

REGISTRATION COSTS

SAVE MONEY — REGISTER EARLY

Early Registration

\$800 - Full Five Day Week per Registrant*

\$200 - Per Day or Session

Early Registration ends on March 4, 2016

Late or On-site Registration

\$1000 - Full Five Day Week per Registrant*

\$250 - Per Day or Session*

*Includes books/materials unless noted in class description

REGISTRATION METHODS

1. REGISTER ONLINE

The Code Council's secure website:

www.iccsafe.org/training.

Follow the easy online directions.

2. REGISTER BY MAIL

Complete the registration form on the next page and mail to:

**EduCode Registrar
International Code Council
Central Regional Office
4051 Flossmoor Road**

Country Club Hills, Illinois 60478

3. EDUCODE HELP LINE

Contact the Code Council at 1-888-422-7233, ext. 33818 or
jfranklin@iccsafe.org

CONFIRMATION

Registration confirmation will be sent by EduCODE within two days of receipt of registration.

CANCELLATION POLICY

If you need to cancel, EduCODE must receive notification in writing by March 4, 2016 to receive a full refund. All refund requests after this date will be credited toward next year's EduCODE conference attendance only.

EDUCODE EVENTS

- Tuesday Night: Student Appreciation Event!
5:30 - 7:30 p.m. Come join us for drinks and food
- Wednesday & Thursday Night: ICC Certification Exams
5:00 p.m. each evening. Expanded selection of exams this year!
- Thursday Night: Networking Event
5:30 - 7:30 p.m. Come join us for food and drinks and to meet your fellow students, instructors, and tradeshow partners
- EduCode Expo
Daily from 7:00 a.m. – 5:00 p.m. Come visit the various suppliers of products and services that affect our Built Environment
- ICC Bookstore
Daily from 7:00 a.m. – 5:00 p.m.

SUBSTITUTIONS

Whenever a registrant is unable to attend a paid class session, a request for substitution may be made by contacting ICC at 1-888-422-7233, ext. 33818. Requests after March 4, 2016, must be made in person at the EduCODE Conference Registration Booth.

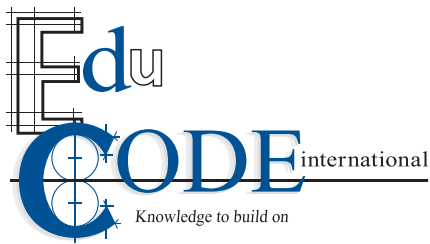
Please note, each registration may only be substituted with one person.

CONTINUING EDUCATION INFORMATION

All EduCODE sessions are recognized by ICC's Preferred Provider Program for CEU's toward maintenance of your ICC certifications. Please check our website for updated AIA approvals at www.iccsafe.org/educode. Check with your local licensing board for additional CEU requirements.

CERTIFICATION & TESTING

- Exams will be offered on Wednesday, 3/23 and Thursday, 3/24 at 5:00 p.m.
- Certification exams will be paper and pencil
- Registration and payment on-site
- Please check www.iccsafe.org/educode for more detailed information including tests offered and pricing.



www.snicc.org
www.educode.us



ICC Membership Number:				EARLY REGISTRATION INFORMATION <ul style="list-style-type: none"> • Best Value \$\$ - Full week Registration • Early Registration Deadline March 4, 2016 • \$200—Per Day or Session • \$800—Full Five Day Week LATE REGISTRATION INFORMATION <ul style="list-style-type: none"> • \$250—Per Day or Session • \$1000—Full Five Day Week ON SITE REGISTRATION <ul style="list-style-type: none"> • \$250—Per Day or Session • \$1000—Full Five Day Week <p>SN-ICC and the International Code Council reserve the right to photograph or videotape classes and seminars for promotional purposes. Your registration serves as permission to SN-ICC and ICC to copyright, publish and use your likeness in print, online or in other media and to exchange contact information with other participants from this event for the purpose of networking and consultation. If you do not wish to be photographed or videotaped, please tell the camera operator.</p> <p>Mail to: EduCode Registrar, International Code Council Central Regional Office 4051 Flossmoor Road Country Club Hills, Illinois 60478</p> <p>Fax to: 708-799-2651</p> <p>Contact the International Code Council at 1-888-422-7233, extension 33818 or jfranklin@iccsafe.org</p>
First Name:		Middle Initial:		
Last Name:				
Job Title for Badge:				
Jurisdiction/Organization:				
Address:				
City:				
State/Providence:				
Zip Code:				
Country:				
E-Mail:				
Day Telephone:		Extension:		
Home Telephone:		Fax Number:		
Please indicate if you require special classroom accessibility accommodations:				

CLASS REGISTRATION

LIST CLASS SESSION NUMBER AND BOOK FEE AMOUNTS

	Monday	Tuesday	Wednesday	Thursday	Friday
AM or All Day					
PM					
Book Fee	\$	\$	\$	\$	\$

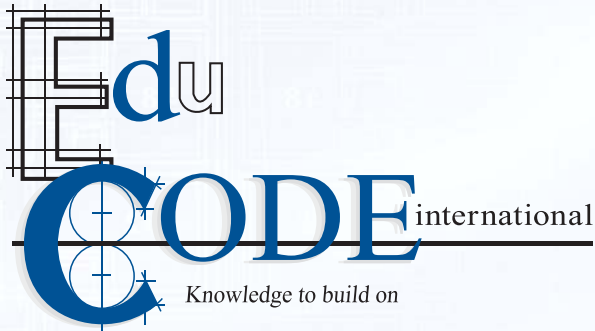
TOTAL REGISTRATION FEES

I am attending all 5 days:	\$800 (early)	or	\$1000 (late, after 03/04/2016)	\$
I am attending less than 5 days :	\$200 per day (early)	or	\$250 per day (late, after 03/04/2016)	\$
Total Book Fees:				\$
PAYMENT OPTIONS				TOTAL: \$

Bill Me (Code Council Members only)	Member #:		
Payment Enclosed (Checks payable to: International Code Council)			
Credit Card Payment: _____ Visa _____ Mastercard _____ American Express _____ Discover			
Card Number:	Exp. Date: /	Signature:	Date:

PLEASE CONTINUE TO SUPPORT OUR PAST TRADESHOW PARTNERS





EduCODE International Conference & EXPO 2016
March 21-25, 2016
THE ORLEANS HOTEL | LAS VEGAS, NEVADA
www.iccsafe.org/training
1-888-ICC-SAFE (422-7233), ext. 33818

REGISTRATION CHECKLIST

- Contact the International Code Council at 1-888-422-7233, extension 33818 or online at www.iccsafe.org/training
- Best Value \$\$ — Full week Registration
- Deadline March 4, 2016

▶ Pre-Registered?

Go directly to the Registration Desk and pick up your registration packet.

▶ Late or On-Site Registration?

On-site registrants should go directly to the Registration Desk and register.

▶ Registration Hours

- Sunday: 5:00 p.m. – 7:00 p.m.
- Monday – Friday: 6:30 a.m. – 1:00 p.m.

▶ Full-Day Class Schedule (0.8 CEU)

- Classes start: 7:30 a.m.
- Lunch Break 1½-hour break
- Classes End 5:00 p.m.

▶ Half-Day Class Schedule (0.4 CEU)

- A.M. Classes 7:30 a.m. – 11:30 a.m.
- Lunch Break 1½-hour break
- P.M. Classes 1:00 p.m. – 5:00 p.m.

HOTEL CHECKLIST

- Contact The Orleans Hotel at 1-800-675-3267 or www.orleanscasino.com/groups
- Use EduCODE Group Code **AGEDC03**
- Deadline February 17, 2016



EduCODE Expo Raffle Prizes at 12:35 p.m. each day!!



International Code Council
Training & Education Department
4051 Flossmoor Road
Country Club Hills, IL 60478

www.snicc.org
www.educode.us