

Code and Energy Efficient Building

4 HR CE

Course # 17772

COURSE SYLLABUS

Course Description

Code: It's important to recognize the fact that without a standard to meet, many buildings would simply be too dangerous and unsafe to occupy or, too costly to maintain. It's not just safety and use that the code is concerned with. The current, enforceable code also addresses environmental and energy concerns. The building codes and the building officials that enforce them are there to safeguard the health, safety, property, and public welfare.

Energy Efficient Building: Even as technological innovation creates new construction possibilities, incorporating energy-efficiency into building projects can not only provide a better quality of life, but also protect the environment. A comprehensive approach to resource and energy efficiency is the best method to achieve a resource and energy efficient building. This course will help builders identify important considerations and then apply those principles to a specific project.

Using the Code Book

***Learning Objectives:** 1) Be able to confidently use and apply the information in the current code book. 2) Gain an understanding of the permitting process, what documents are required, and what approvals must be received before a permit will be issued.

1. Who Needs a Code Book?
2. Introduction to the Code Book
3. Using the Code Book
4. Permit Process
5. Applying the Logic

Code Tables, Illustrations and Footnotes

***Learning Objectives:** 1) Be able to utilize the tools offered by the code to book in order to design and build structurally safe and efficient dwellings. 2) Recognize the wealth of information that can found in the footnotes.

1. Use of Tables, Illustrations and Footnotes
2. IRC examples
3. OSHA examples
4. IECC examples

2009 Residential Code

***Learning Objective:** 1) Summarize the most important aspects of the first nine chapters of the 2009 IRC.

1. Chapters 1 - 5
2. Chapters 6 - 9

Energy Code

***Learning Objectives:** 1) Describe the details regarding the building features and equipment systems as they pertain to energy codes. 2) Recognize how the changes can ultimately reduce and conserve energy consumption.

1. Administration
2. Definitions
3. Insulation
4. Resource and Energy Efficient Building Systems

Energy Efficient Building

***Learning Objectives:** 1) Have an appreciation for energy consumption and the need for healthy, "green" energy. 2) Understand the importance of building placement on the lot, "Brownfield" site clean-up methods and the need for soil erosion control and basic methods. 3) Have an understanding of material properties, recycling and finally, the process for LEED certification.

1. Environmental Concerns and Implications
 2. Evaluating the Site and Remediation Strategies: Building orientation, erosion, water
 3. "Green" power generation: solar, performance, varying sources
 4. Photovoltaic, geothermal, recycling, air quality, LEED Rating System
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If you have any questions, please call us at 1-800-727-7104 or send an email to info@licensetobuild.com. Email responses will usually be returned promptly, but guaranteed within one business day.

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