

THE ENGINEERS' CLUB OF PHILADELPHIA
(215) 985-5701
www.engrclub.org

CONSTRUCTION MANAGEMENT COURSES

The 2006 international building code

The course will familiarize the student with the content of the International Code Council's 2006 International Building Code, the purpose and intent of code requirements and how to apply the code to structures and occupancies. The course will primarily cover the non-structural provisions in depth (with a structural and materials overview), concentrating on Chapters 1 through 15, which are those most often in need of interpretation. The building code is the keystone to the entire family of fourteen International Codes in that it provides the occupancy classifications, types of construction, building elements and terminology referenced by all of the codes. The International Code Council (ICC) is the newly merged organization of the former three model code groups in the United States. The International Codes have been developed as a single family of codes for adoption throughout the nation and beyond. They are the successor codes to the BOCA National Codes, the SBCCI Standard Codes and the ICBO Uniform Codes. The 2006 International Building Code along with 10 other codes in the ICC family of codes have been designated as the mandatory Uniform Construction Code throughout the Commonwealth of Pennsylvania, effective at the end of 2006. The International Codes have also been adopted as the state code of New Jersey, New York, Maryland and two of the three counties in Delaware with the third pending. The course is being taught by James Rossi, an expert in the field with more than 20 years of local and national building code experience. It will be held on ten Wednesday mornings indicated below, from 8:30 AM to 11:00 AM in a classroom at the Racquet Club of Philadelphia, located at 215 S. 16th Street, Philadelphia, PA 19102. Two and one-half Continuing Education Units will be earned for the successful completion of the course. The cost of this ten-session twenty-five hour course is \$650. The 2006 International Building Code will be provided as a text along with handouts provided by the instructor.

DATE MATERIAL TO BE COVERED

- 3/19/08· A brief history of the ICC organization and its model codes
 - How the ICC International Building Code is written, updated and adopted
 - The Pennsylvania Uniform Construction Code Act
 - Scope and application, Use of definitions; Reference standards
 - Use and Occupancy Group classification
- 3/26/08· Mixed Occupancies; Incidental use areas; Accessory use areas
 - Type of Construction classification
 - Height and area limitations and exceptions, including an in-class problems
- 4/02/08· Mezzanines; Unlimited area buildings
 - Special detailed requirements based on use and occupancy: Covered mall buildings, High-rise buildings, Atriums
- 4/09/08· Special detailed requirements based on use and occupancy (continued)
 - Means of Egress Definitions; Occupant Load Calculations
- 4/16/08· Means of Egress (continued) Exit capacity calculations; General requirements, Components of egress including exit access, exits, exit discharge
- 4/23/08· Accessibility requirements
 - Fire-resistance-rated construction including exterior building envelope, fire resistance rated walls, structural protection, opening protectives, fireblocking and draftstopping
- 4/30/08· Interior finishes Walls and ceilings, floors, decorations and trim
 - Fire protection systems including: automatic fire extinguishing, standpipes, and fire alarm systems
 - Interior environment Ventilation, light, interior space
- 5/07/08· Exterior wall covering
 - Roof assemblies and rooftop structures
 - Structural performance including design loads
 - Inspections and tests, Foundations
- 5/14/08· Building materials
 - Building systems OVERVIEW
- 5/21/08· Existing building requirements and compliance alternatives