

COURSE TITLE: Codes and Standards **COURSE NO:** FTA K213 (CRN 31570)
INSTRUCTOR: Adam Kerop **SEMESTER:** Fall **YEAR:** 2010
CONTACT INFO: (860) 625-0179 **E-MAIL:** kerop@sbcglobal.net
CLASS HOURS: 3 **LAB HOURS:** 0 **CREDIT HOURS:** 3
REQUIRED TEXT: NFPA Life Safety Code Handbook, 2003 Edition
AUTHOR: Cote & Harrington

OBJECTIVES:

Upon completion of this course, the Fire Technology student will have a working knowledge of the following:

- 1) The History of Codes and Standards
- 2) The Codes and Standards Making Process
- 3) The CT State Fire Safety Codes as adopted by the State
- 4) NFPA 101, Life Safety Code organization and application
- 5) International Fire Code organization and application
- 6) Drawing Review Process
- 7) Code Inspection Process

GRADING:

- 1) 5 Exams
- 2) 5 Round Table Discussions/Summaries

EXAM/ASSIGNMENT COMPLETION: I reserve the right to deduct 10% from the possible points that you may receive for an assignment/exam, for each class session that an assignment or exam is late, up to three class sessions. After three class sessions, I will record a zero (0) for that assignment/exam, unless you have made previous arrangements with me and only in exceptional circumstances. All assignments must be submitted by the end of the last class.

SPECIAL NOTE(S):

- 1) Attendance Policy – All absences must be approved and known of before class begins. Extenuating circumstances are the only exception.
- 2) No Class Dates: 09-06-10

Week 1

Week's Objectives

- o Introduction/Administration
- o Class Overview
- o History of Fire Codes
- o Codes and Standards making process
- o CT State Fire Safety Code Overview (CT Guidebook)

Individual Assignments

- o Read Chaps. 1, 3, & 4
- o Roundtable Summary

Week 2

Week's Objectives

- o Roundtable
- o CT State Fire Safety Code Overview cont.
- o Code Adoption, Enforcement, Appeals
- o NFPA 101 Chapter 1 – Administration
- o NFPA 101 Chapter 3 – NFPA official Definitions
- o NFPA 101 Chapter 4 – General

Individual Assignment(s)

- o Exam 1 – Chapters 1,3,4
- o Read chapters 5 & 6

Week 3

Week's Objectives

- NFPA 101 Chapter 5 – Performance Based Option
- NFPA 101 Chapter 6 – Classification of Occupancy and Hazard of Contents

Individual Assignment(s)

- Read Chapter 7
- Roundtable Summary

Week 4 through Week 6

Week's Objectives

- Roundtable (week 4, week 6)
- NFPA 101 Chapter 7 – Means of Egress

Individual Assignments

- Continue Reading Chapter 7
- Read Chapter 8

Week 7

Week's Objectives

- NFPA 101 Chapter 8 – Features of Fire Protection

Individual Assignments

- Exam 2 – Chapters 6,7,8
- Read Chapter 9

Week 8

Week's Objectives

- NFPA 101 Chapter 9 – Building Service and Fire Protection Equipment

Individual Assignments

- Read Chapters 10 & 11
- Roundtable Summary

Week 9

Week's Objectives

- Roundtable
- NFPA 101 Chapter 10 – Interior Finish, Contents, and Furnishings
- NFPA 101 Chapter 11 – Special Structures and High Rise

Individual Assignments

- Exam 3 – Chapters 9,10,11
- Read Chapters 12,13,14,15

Week 10

Week's Objectives

- NFPA 101 Chapter 12,13 – Assembly Occupancies
- NFPA 101 Chapter 14,15 – Educational Occupancies

Individual Assignments

- Read Chapters 18,19
- Roundtable Summary

Week 11

Week's Objectives

- Roundtable
- NFPA 101 Chapter 18,19 – Health Care Occupancies

Individual Assignments

- Exam 4 – Chapters 12,14,18
- Read Chapters 28,29

Week 12

Week's Objectives

- NFPA 101 Chapter 28,29 – Hotels & Dormitories

Individual Assignments

- Read Chapters 36,37,38,39

Week 13

Week's Objectives

- NFPA 101 Chapter 36,37 – Mercantile Occupancies
- NFPA 101 Chapter 38,39 – Business Occupancies

Individual Assignments

- Exam 5 – Chapters 28,36,38

Week 14

Week's Objectives

- Hand in Exam 5

Additional Content as Time allows

ICC-IFC Occupancy Classifications and Layout

ANSI and Federal ADA

Drawing Review

Roundtable Summaries (20 points each)

- 1) Facts of the Building
 - a. Occupancy Type
 - b. Construction
- 2) Facts of the Fire
 - a. Sequence of burning (where it started and how the fire progressed)
 - b. Damage
 - c. Fatalities/Injuries
- 3) Origin and Cause Determination
 - a. How did the fire start?
- 4) What was learned
 - a. Changes to regulations/codes