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Course Description

This course is designed to improve the ability of students to assess building stability and resistance to fire. This will aid students in protecting the lives of firefighters and community residents, while improving operational effectiveness through more complete and accurate “size-ups”. As our resources and experience are matched with those brought to the classroom by both students and instructors, each course delivery will fulfill in part the Academy’s mission—to upgrade the skills of our nation’s fire service.

Prerequisites:**Corequisite:****Task List**

1.	Describe the basic structural characteristics of the following types of building construction: a. Wood frame b. Ordinary c. Heavy timber d. Non-combustible e. Fire resistant
2.	Identify the general fire behavior expected with each type of building construction, including the spread of fire and the safety of the building, occupants, and firefighters.
3.	Describe at least 3 hazards associated with truss and lightweight construction.
4.	Identify dangerous building conditions created by fire and fire suppression activities.
5.	Identify 5 indicators of building collapse.
6.	Describe the effects of fire and fire suppression activities on the following building materials: a. Wood b. Masonry (brick, block, stone) c. Cast iron d. Steel e. Reinforced concrete f. Gypsum wall board g. Glass h. Plaster on lath
7.	Define the following terms as they relate to building construction: a. Veneer wall (exterior) b. Party wall c. Fire wall d. Partition wall e. Cantilever or unsupported wall f. Load bearing

Instructor Equipment List

Projector screen
Chalkboard or Marker board
Overhead projector
Slide projector
TV/VCR

Old FRT Number: 145 / FRT 115