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### Course Description

This course introduces the student to the types, uses and operations of fire hose, appliances and streams used in the fire service.

**Prerequisites: FRS 1014 or Consent of Instructor**

**Corequisite: NONE**

### Task List

1.	Describe the application of each size and type of hose on a pumper as required to be carried by NFPA 1901.
2.	Demonstrate the use of nozzles, adapters and hose appliances and tools on a pumper as required by NFPA 1901.
3.	Advance uncharged and charged attack lines of two different sizes of 1 ½ inch or larger, from a pumper, for the following evolutions: <ul style="list-style-type: none"> <li>a. Into a structure;</li> <li>b. Up a ladder to a second floor landing;</li> <li>c. Up an inside stairway to an upper floor;</li> <li>d. Up an outside stairway to an upper floor;</li> <li>e. Down an inside stairway to a lower floor;</li> <li>f. Down an outside stairway to a lower floor; and</li> <li>g. To an upper floor by hoisting.</li> </ul>
4.	Demonstrate the following given fire hose used for fire attack and water supply: <ul style="list-style-type: none"> <li>a. Three types of hose loads and finishes;</li> <li>b. Three types of hose rolls;</li> <li>c. Coupling and uncoupling two lengths;</li> <li>d. Two hose carries extending hose lines; and</li> <li>e. Replacing burst sections of hose.</li> </ul>
5.	Demonstrate operations of a charged attack line 1 ½ inch or larger from a ground ladder.
6.	Demonstrate carrying a 100-foot attack line 1 ½ inch larger into a building, connecting it to a standpipe, and advancing the line from the standpipe.
7.	Demonstrate a hand lay of 300 feet of supply line 2 ½ inch or larger from a pumper to a water source.
8.	Define a fire stream.
9.	Define water hammer and at least one method for its prevention.
10.	Demonstrate how to open and close a nozzle and how to adjust its stream pattern and flow setting, when applicable.
11.	Identify the type, design, operation, required nozzle pressure, and flow of a given selection of nozzles and tips.
12.	Define the following methods of water application: direct, indirect, combination.
13.	Identify precautions to be followed while advancing hose lines to a fire.
14.	Identify three observable results that are obtained when the proper application of a fire stream is accomplished.

#### Lecture

#### Instructor Equipment List

Projection screen  
Chalkboard or marker board  
Overhead projector  
Slide projector  
TV/VCR

#### Skills

#### Instructor Equipment List

Class "A" pumper

#### Student Equipment List

Helmet with eye protection  
Gloves  
Steel toe boots

**Old FRT Number: 125 / FRT 105**