INTRODUCTION TO WILDLAND FIRE BEHAVIOR

Lecture Skill Fractional Credit

6 2 0.5

Course Description

This is an entry level course designed to familiarize firefighters with wildland fires. Items discussed in this course include: familiarization with the fire triangle, how environmental factors influence wildland fires, and the ability to recognize situations that indicate problem or extreme wildland fire behavior.

Prerequisites:

Corequisite:

Task List	
1.	Describe the fire triangle
2.	Identify three methods of heat transfer
3.	List the three principal environmental elements affecting wildland fire behavior
4.	List three factors of fuel that affects the start and spread of wildland fires
5.	List three factors of weather that affect fuel moisture
6.	Describe how wind affects wildland fire spread
7.	Describe how the slope affects wildland fire spread
8.	List four factors of topography that affect wildland fire behavior
9.	Describe the dangerous conditions that can develop in a box canyon and steep narrow canyons
10	List indicators of an approaching cold front and describe what wind changes to expect
11	List three common foehn wind conditions and the areas in which they occur
12	Identify a thunderstorm and describe how and when it is dangerous
13	Describe the daily cycle of slope and valley winds
14.	Describe the effect relative humidity has on wildland fire behavior
15.	Identify the wildland fire environment indicators that can produce problem and extreme fire behavior

Instructor Equipment List

Old FRT Number: FRT 116