

Advanced Wildland Firefighting

Course Design

2005-2006

Course Information

Organization	EASTERN ARIZONA COLLEGE
Division	Science & Allied Health
Course Number	FSC 155
Title	Advanced Wildland Firefighting
Credits	3
Developed by	Chris Black
Lecture/Lab Ratio	3 Lec/0 Lab
Transfer Status	Transferable to ASU East-BAS; Non-Transferable to UofA and NAU
Activity Course	No
CIP Code	43.0203
Assessment Mode	Pre-Post test with a total of 10 points possible
Semester Taught	Offered Upon Request
GE Category	None
Separate Lab	No
Awareness Course	No
Intensive Writing Course	No

Prerequisites

FSC 150

Educational Value

This course is designed for fire department personnel and prospective fireline supervisors.

Goals

- 1 This course is designed to meet the training requirements to work in the operations section of the Incident Command System.

Description

This course is designed to instruct prospective fireline supervisors in wildland fire behavior for effective and safe fire management operations. After completion of the course, students will be able to determine basic input data of terrain, fuels, and weather required for understanding fire behavior for various times of the day or night. They will also be able to describe the causes of extreme fire behavior conditions (spotting, crowning, fire whirl) due to weather, fuels, and/or topography

Textbooks

None. Required

Supplies

None

Competencies and Performance Standards

1. Identify Fireline reference materials.

Learning objectives

What you will learn as you master the competency:

- a. Identify fireline reference materials.
- b. Identify what useful fireline information is contained in each reference material.

Performance Standards

Competence will be demonstrated:

- o on a written test.

Performance will be satisfactory when:

- o learner can identify fireline reference materials.
- o learner can identify what useful fireline information is contained in each reference material.

2. Document Fireline activities.

Learning objectives

What you will learn as you master the competency:

- a. Describe why it is important to document fire related activities.
- b. Identify information which should be documented.
- c. Identify various methods for documentation.

Performance Standards

Competence will be demonstrated:

- o on a written test.

Performance will be satisfactory when:

- o learner can describe why it is important to document fire related activities.
- o learner can identify information which should be documented.
- o learner can identify various methods for documentation.

3. Describe Fireline communication procedures.

Learning objectives

What you will learn as you master the competency:

- a. Define communication and list ways to ensure that complete and accurate communication has taken place.

- b. Identify 6 essential pieces of information you should receive and pass on to subordinates prior to your tactical assignment.
- c. List 3 ways to communicate during a tactical assignment.
- d. Identify the communications responsibilities of supervisory personnel, single resources and the Squad Boss during a tactical assignment.

Performance Standards

Competence will be demonstrated:

- o on a written test.

Performance will be satisfactory when:

- o learner can define communication and list ways to ensure that complete and accurate communication has taken place.
- o learner can identify 6 essential pieces of information you should receive and pass on to subordinates prior to your tactical assignment.
- o learner can list 3 ways to communicate during a tactical assignment.
- o learner can identify the communications responsibilities of supervisory personnel, single resources and the Squad Boss during a tactical assignment.

4. Discuss tactics and strategy.

Learning objectives

What you will learn as you master the competency:

- a. Describe the steps required to properly size- up the fire situation upon arrival and throughout a fire assignment.
- b. Develop the appropriate tactics to safely complete an assignment.
- c. Demonstrate the ability to implement LCES and describe the potential consequences of failing to do so.
- d. List five responsibilities of a lookout.
- e. Identify a changing situation in the fire environment, and demonstrate the ability to modify tactics and LCES to safely accomplish an assignment.
- f. Describe the differences between a safety zone and a deployment zone.
- g. Identify deteriorating conditions in the fire environment and explain why an assignment can't be safely completed.

Performance Standards

Competence will be demonstrated:

- o in successful completion of a scenario.

Performance will be satisfactory when:

- o learner can describe the steps required to properly size- up the fire situation upon arrival and throughout a fire assignment.
- o learner can develop the appropriate tactics to safely complete an assignment.
- o learner can demonstrate the ability to implement LCES and describe the potential consequences of failing to do so.
- o learner can list five responsibilities of a lookout.

- o learner can identify a changing situation in the fire environment, and demonstrate the ability to modify tactics and LCES to safely accomplish an assignment.
- o learner can describe the differences between a safety zone and a deployment zone.
- o learner can identify deteriorating conditions in the fire environment and explain why an assignment can't be safely completed.

Types of Instruction

Classroom Presentation

Grading Information

Grading Scale

A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	Below 60%