

# BUTTE COLLEGE

## COURSE OUTLINE

### I. CATALOG DESCRIPTION

**FSC 111 - CAL FIRE Basic 69 Hour Course**

**3 Unit(s)**

**Prerequisite(s):** NONE

**Recommended Prep:** NONE

**Transfer Status:** NT

45 hours Lecture

24 hours Lab

This course provides students with the fundamental knowledge of the factors affecting wildland fire behavior and control, as well as firefighter safety. With successful completion of this course, students will receive the basic fire training certifications to qualify for entry-level employment with CAL FIRE or a federal wildland firefighting crew. Pass/No Pass Only.

### II. OBJECTIVES

Upon successful completion of this course, the student will be able to:

- A. Apply principles of wildland fire control to the role of a firefighter under wildland fire control operations.
- B. Interpret wildland fire behavior conditions and select appropriate fireline safety precautions.
- C. Analyze fire behavior and develop an action plan utilizing firefighting strategies.
- D. Evaluate fireline conditions and select the appropriate extinguishing method available.
- E. Recognize unsafe working environments and choose methods to rectify them.

### III. COURSE CONTENT

#### **A. Unit Titles/Suggested Time Schedule**

Lecture	
<u>Topics</u>	<u>Hours</u>
1. Fire Department Orientation/Stations Operations	2.00
2. Fire Physics and Chemistry	2.50
3. Personal Protective Equipment	3.00
4. Firefighter Safety	9.00
5. Hose	7.00
6. Hose Appliances and Tools	1.50
7. Tools and Equipment	2.50
8. Power Tools	0.50
9. Aircraft	1.50
10. Mobile Equipment	2.00
11. Handtools	1.50
12. Portable Fire Extinguishers	0.50
13. Ladders	2.00
14. Vegetation Fires	3.00
15. Structure Fires	3.50
16. Building Construction	0.75
17. Special Fires	0.75
18. Communications	1.00

19. Wildland/Urban Interface	0.50
Total Hours	45.00

#### Lab

<u>Topics</u>	<u>Hours</u>
1. Firefighting Tool Safety	4.00
2. Fire Suppression Methods	8.00
3. Hose and Water Use	2.00
4. Fire Shelters and Firefighter Safety and Survival	6.00
5. Engine Operations and Mobile Attack	4.00
Total Hours	24.00

#### IV. METHODS OF INSTRUCTION

- A. Lecture
- B. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- C. Discussion
- D. Multimedia Presentations
- E. Field Exercises

#### V. METHODS OF EVALUATION

- A. Quizzes
- B. Class participation
- C. Examinations
- D. Skills assessment and testing

#### VI. EXAMPLES OF ASSIGNMENTS

- A. Reading Assignments
- B. Writing Assignments
- C. Out-of-Class Assignments

#### VII. RECOMMENDED MATERIALS OF INSTRUCTION

Materials Other Than Textbooks:

- A. California State CAL FIRE Firefighter I Basic Training Manual
- B. Handouts

**Created/Revised by:** Marshall Haslem

**Date:** 05/03/2010