

BUTTE COLLEGE

COURSE OUTLINE

I. CATALOG DESCRIPTION

FSC 18 - Basic Wildland Firefighting

3 Unit(s)

Prerequisite(s): NONE

Recommended Prep: NONE

Transfer Status: CSU

51 hours Lecture

This course prepares students to seek employment as wildland firefighters. It provides students with fundamental knowledge of wildland fire behavior, control, prevention and firefighter safety. Students will learn suppression and survival methods and techniques, and the use of hand and power tools and burning devices in the suppression of wildland fires. Upon successful completion of this course, students will receive California State Fire Marshall (CSFM) certificates of completion for the following National Wildland Fire Training courses: S-110 Basic Wildland Fire Orientation; S-130 Firefighter Training; S-133 Look Up, Look Down, Look Around; S-190 Introduction to Wildland Fire Behavior; I-100 Introduction to Incident Command System.

II. OBJECTIVES

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

- A. Describe principles of wildland fire control and 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 incident action plan with consideration for fire behavior facts and physics, and utilizing firefighting strategies.
- D. Evaluate fireline conditions and select the appropriate extinguishing method available.
- E. Recognize unsafe working environments and establish methods to rectify them.
- F. Prepare a fire service employment application package, including a cover letter, an application and a resume.

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

Lecture	
<u>Topics</u>	<u>Hours</u>
1. Orientation and fire service employment	3.00
2. Fire department rules, regulations and organization	2.00
3. Fire behavior physics	3.00
4. Fire behavior facts	2.00
5. Safety orientation, personal preparedness and fire shelters	3.50
6. Travel and transportation of personnel and tools	0.50
7. Wildland firefighting tools	7.00
8. Water application and fire suppression techniques	2.50
9. Scouting, patrolling and securing the control line	2.50
10. Radio communications	0.50
11. Hazardous materials awareness	2.50
12. Fire orders	1.50

13. Watchout situations	1.50
14. Wildland and urban interface	1.00
15. Fire attack strategies	6.50
16. Aircraft safety	1.50
17. Crew deployment	0.50
18. Introduction to Incident Command Systems (ICS)	4.50
19. Physical fitness and health	2.00
20. Fire scenarios	3.00
Total Hours	51.00

IV. METHODS OF INSTRUCTION

- A. Lecture
- B. Class Activities
- C. Field Trips
- D. Discussion
- E. Demonstrations
- F. Reading Assignments
- G. Multimedia Presentations
- H. Handouts

V. METHODS OF EVALUATION

- A. Exams/Tests
- B. Quizzes
- C. Portfolios
- D. Demonstration
- E. Practical Evaluations
- F. Participation in field trips

VI. EXAMPLES OF ASSIGNMENTS

- A. Reading Assignments
 - 1. Locate and read an article about a serious fire where a fatality occurred, and be prepared to discuss in class.
 - 2. Read a chapter in the textbook related to firefighter safety, and be prepared to discuss in class.
- B. Writing Assignments
 - 1. Prepare a minimum one page employment application cover letter and instructor-provided sample applications for employment.
 - 2. Prepare an incident action plan for a fire emergency, and be prepared to present in class.
- C. Out-of-Class Assignments
 - 1. Interview a career firefighter, and prepare responses to 20 instructor provided questions related to the interview.
 - 2. Utilize various government websites to locate firefighter employment opportunities, and be prepared to discuss your results in class.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

- A. Teie. Firefighters Handbook on Wildland Firefighting. 3rd Edition. Deer Valley Press, 2005.
- B. National Wildfire Coordinating Group. Incident Response Pocket Guide. 2014 Edition. National Wildfire Coordinating Group, 2014.

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