



FSC 18 - Basic Wildland Firefighting

Catalog Description

Transfer Status: CSU

Unit(s): 3.00

Lecture: 51.00 Contact hours/102.00 Out of class hours/153.00 Total hours/3.00 Unit(s)

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Course Description: This course prepares students to meet the requirements to qualify and seek employment as a Type 2 Wildland Firefighter. 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 be awarded certificates for the following National Wildland Fire Training courses: S-110 Basic Wildland Fire Orientation; S-130 Firefighter Training; S-190 Introduction to Wildland Fire Behavior; L-180 Human Factors in the Wildland Fire Service; I-100 Introduction to Incident Command System and NIMS 700 Introduction to National Incident Management System.

Objectives

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

1. Describe the purpose of the National Incident Management System (NIMS) and the Incident Command System (ICS).
2. Describe principles of wildland fire control and the role of a firefighter under wildland fire control operations.
3. Analyze fire behavior, and develop and implement an incident action plan utilizing basic wildland firefighting strategies.
4. Demonstrate fireline construction techniques.
5. Evaluate fireline conditions and select the appropriate extinguishing method available.
6. Recognize unsafe working environments and establish methods to rectify them.
7. Identify human performance issues in a high risk, dynamic work environment.
8. Prepare a fire service employment application package, including a cover letter, an application and a resume.

Course Content

Topic Titles / Suggested Time Topic	
<u>Lecture</u>	
<u>Topics</u>	<u>Lec Hrs</u>
Orientation to the Fire Service	2.00
Introduction to the National Incident Management System (NIMS) and the Incident Command System (ICS)	1.00
Introduction	1.00
S-110 Basic Wildland Fire Orientation	1.00
S-190 The Fire Triangle	2.00
S-190 Environmental Factors Affecting the Start and Spread of Fire	3.00
S-190 Contributing Factors and Hazardous Situations	3.00
S-130 Lookouts, Communications, Escape Routes and Safety Zones (LCES) System and Standard Firefighting Orders	8.00
S-130 Fireline Construction	6.00
S-130 Strengthen, Reinforce and Holding Firelines	4.00
S-130 Extinguishing With or Without Water	6.00
S-130 Task Completion	4.00
S-130 Hazards in Wildfire Environments	4.00
S-130/L-180 Human Performance in Dynamic Environments	4.00
Employment in the Fire Service	2.00
Total Hours: 51.00	

Methods of Instruction

- A. Class Activities
- B. Demonstrations
- C. Discussion
- D. Field Trips
- E. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- F. Lecture

- G. Multimedia Presentations
- H. Reading Assignments
- I. Handouts

Methods of Evaluation

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

Examples of Assignments

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.

Writing Assignments

1. Prepare an incident action plan for a fire emergency, and be prepared to present in class.
2. Prepare a minimum one page employment application cover letter and instructor-provided sample applications for employment.

Out-of-Class Assignments

1. Utilize various government websites to locate firefighter employment opportunities, and be prepared to discuss your results in class.
2. Complete the online ICS 100 and NIMS 700 courses, print your certificates of completion and return them to class for credit.

Recommended Materials of Instruction

Teie, William C. (2005). Firefighters Handbook on Wildland Firefighting. *Deer Valley Press, 3rd.*

National Wildfire Coordinating Group. (2014). Incident Response Pocket Guide. *National Wildfire Coordinating Group, 2014.*

Minimum Qualifications

Fire Technology

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