

Lassen Community College Course Outline

FS-60C Cal Fire Module 1C Wildland Firefighter

3.0 Units

I. Catalog Description

This course is designed for entry-level Wildland Firefighters and provides students with the basic knowledge and skills to perform entry-level Fire Crew Firefighter tasks.

Topics include: Wildland Response, Wildland Personal Protective Equipment, Wildland Fire Behavior, Wildland Safety, Wildland Tools and Equipment, Wildland Fire Suppression, Mop up and Patrol, Construct and Secure Fireline, Hazard Recognition, and Cal Fire Specific Agency information and orientation

This course meets or exceeds the requirements for California FF1 Module 1C and includes the Cal Fire Orientation module.

Recommended Preparation: Successful completion of ENGL105 or equivalent assessment placement.

Corequisites: FS-20: Public Safety First Aid and CPR or equivalent

FS-59 Confined Space Awareness

FS-81 Wildland Firefighter survival

FS-51 Intro to Fire Careers

FS-61 Basic 32

FS-72 Haz Mat First Responder Operations

FEMA: S-100,S-200, S-700, S-800 (Available online)

All corequisites can be taken concurrently with FS-60C

Does Not Transfer to CSU/UC

40 Hours Lecture; 40 Hours Lab, Expected outside of class hours 80, 160 Total student learning hours

Scheduled: Fall, Spring

II. Coding Information

Repeatability: Not repeatable

Open Entry/Open Exit: NA

Grading Option: Graded

TOP Code: 213310

III. Course Objectives

A. Course Student Learning Outcomes

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

1. Describe policies and standard operating procedures and rules and regulations as they apply to a Cal Fire firefighter
2. Describe the functions of CAL FIRE, the Crew Program, and the organization and duties of a CAL FIRE crew
3. Construct a fire line using proper tools and Techniques
4. Demonstrate emergency procedures that may be needed in critical fire situations.
5. Deploy a fire shelter in an emergency situation.

B. Course Objectives:

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

1. Demonstrate knowledge of emergency response preparation, fire crew organization and fire ground operations
2. Demonstrate how to couple, roll, drain, and carry hose
3. Describe the factors that may indicate the potential for increased fire behavior that may compromise safety.
4. Demonstrate knowledge of the standard cautionary guidelines, avoiding fire entrapment and escape methods including fire shelter deployment and the use of personal protective equipment.
5. Demonstrate knowledge of hazards that might be encountered on the fire line and how they might be avoided.
6. Demonstrate knowledge of and ability to use and maintain hand tools and equipment used to construct hand line.

IV. Course Content

- A. Introduction
 - a. Orientation & General Knowledge
 - b. Fire Crew Organization
- B. Preparation
 - a. Common accidents or injuries and their causes in firefighting
 - b. Importance of physical fitness in firefighting
 - c. NFPA 1500 Standard on Fire Department Occupational Safety and Health Program
 - d. Hydration and health related illnesses
 - e. Fire and safety initiatives and reeducation of line-of duty injuries and fatalities
- C. Wildland Fire Suppression
 - a. Wildland Response
 1. Emergency Call Preparedness and Response
 2. Fire Crew Incident Base Orientation
 - b. Wildland Personal Protective Equipment
 1. Personal Protective Equipment – Wildland
 2. How to Don Wildland Personal Protective Equipment
 3. New Generation Fire Shelter
 4. How to Deploy a New Generation Fire Shelter, Standing Drop-Down Method
 5. How to Deploy Fire Shelters in a Group
 6. How to Deploy a New Generation Fire Shelter, Lying Down Method
 - c. Wildland Tools and Equipment
 1. Wildland Hand Tools
 2. Brush hook
 3. Pulaski
 4. Axes; Double Bit, Single Bit and Pick Head
 5. Shovels, Round Point, Square Point and Scoop
 6. McLeod
 7. Wire Broom
 8. Rhino Tool
 9. Combi Tool

10. Canteen and Hydration Systems for Fire Crews
 11. Headlamps
 12. Fusees as a Firing Tool
 13. Drip Torch
 14. How to Use a Drip Torch
 15. How to Use Back Pump
 16. Wildland Tool Maintenance
 1. Specialized tools
 2. Camp specific tools
 - d. Basic Chainsaw Safety Awareness (C-212)
 - e. Wildland Fire Safety
 1. The 10 “Standard Fire Orders”
 2. Lookouts, Communications, Escape Routes, and Safety Zones (LCES)
 3. The 18 Situations That Shout “Watch Out”
 4. Common Denominators of Fire Fatalities
 5. Fireline Hazards
 6. Avoiding Fire Entrapment
 7. How to Assume the Safety Position for an Airtanker Retardant Drop
 8. How to Approach and Enter a Helicopter
 9. Bulldozer Operations
 10. What to Do if Lost
 11. Hydration
 - f. Wildland Suppression
 1. 4320.8 Wildland Fire Strategy
 2. Handline Construction
 3. Introduction to Wildland Urban Interface
 - g. Hose and Water Use on Fires
 1. Use of Water on Wildland Fires
 2. How to Couple Hose, Over the Hip Method, One Person
 3. How to Make a Single Doughnut Roll – Two Person Method
 4. How to Make a Twin Doughnut Hose Roll – Two Person Method
 5. How to Make an Out of Service Hose Roll – One Person Method
 6. How to Make a Progressive Hose Lay (Fire Crew)
 7. How to Pick Up and Drain Hose – Horseshoe Carry Method
 8. How to Pickup & Drain Wildland Hose Butterfly Carrying Method - One Person
 - h. Mop Up and Patrol Operations
 - i. Tooling up a Hand Crew
 1. How to Tool Up a Hand Crew
 2. Fire Crew Vehicle and Tool Up Procedures
 3. Fire Crew Physical Assessment
- D. Additional Training
- a. Human Factors on the Fireline
 - b. Fire Crew First Aid
 - c. Radio Use
 - d. Hazardous Materials Recognition
 - e. Working with Inmates

- f. Wildland Response
 - 1. Fire Apparatus Identification
 - 2. ICS Orientation (Web based, self-paced) I-100

V. Assignments

- A. Appropriate Readings**
Assigned handout material
- B. Writing Assignments**
Written quizzes, exams, and scenario exercises
- C. Expected Outside Assignments**
Assigned reading and exam preparation
- D. Specific Assignments that Demonstrate Critical Thinking**
Demonstration of various hose lays for wildland and structure fires for a given service.

VI. Methods of Evaluation

Written Examinations and Performance Exams

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery Online Delivery

VIII. Representative Texts and Supplies

- 1- Incident Response Pocket Guide NWCG, 2022 PMS-461
- 2- Wildland Fire Fighter: Principles and Practice Jones and Bartlett Learning, 2nd edition, May 2020, ISBN: 9781284042115
- 3- SFT Module 1C Wildland Firefighting Skills check list booklet.
Provided by instructor

IX. Discipline/s Assignment

Fire Technology

X. Course Status

Current Status: Active
Original Approval Date: 02/21/2023
Board Approval Date: 4/12/2023
Revised By:
Curriculum/Academic Standards Committee Revision Date: