

# Lassen Community College Course Outline

## FS-8 Wildland Fire Suppression

2.0 Units

### I. Catalog Description

Training in the use of tools of wildland fire suppression, and experience in the cooperative working relationship of a wildland fire suppression crew. Subject coverage includes responsibility as a fire crewperson, safe working habits, hand tools and fire pumps, map and compass, tool maintenance, pumping operations and safety, air operations and safety, tractor operations and safety, wildland fire tactics, , mop-up activities, fireline location and construction and radio use.

Work Boots and Running Shoes Required. Special emphasis is placed on Physical Fitness for Wildland Firefighters

Recommended Preparation: Successful completion of ENGL105 or equivalent multiple measures placement.

Transfers to CSU only

17 Hours Lecture, -51 Hours Lab, 34 Hours out of class: 102 Total Student Learning Hours  
Scheduled: Spring

### II. Coding Information

Repeatability: Take 1 Time-

Grading Option: Graded

TOP Code: 213310

### III. Course Objectives

#### A. Course Student Learning Outcomes

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

1. Pass the Arduous Work Capacity Test.
2. develop skills in the use of tools for wildland fire suppression and their maintenance.
3. Demonstrate a working knowledge and uses of NWCG's Incident Response Pocket Guide
4. Identify and define the use of equipment found on wildland fire apparatus

#### B. Course Objectives

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

1. Function effectively, safely, and cooperatively as a member of a wildland fire suppression crew; develop skills in the use of tools for wildland fire suppression and their maintenance.
2. Construct fire line
3. Identify and define the use of equipment found on wildland fire apparatus
4. Demonstrate a working knowledge and uses of NWCG's Incident Response Pocket Guide

### IV. Course Content

#### A. Wildland fire suppression organizational structure

1. Initial attack
2. Extended attack

3. Organizational operations of the incident command system (ICS)
- B. Crew functions
  1. Crew organization and functions
    - a. Duties
    - b. Control and safety duties
- C. Personal physical fitness
  1. Aerobic fitness in fire work
  2. Physical fitness program
  3. Capacity Test
- D. Personal safety clothing and equipment
  1. Initial attack pack
  2. Fire pack (red) long term fire assignments
- E. Strategy and tactics
  1. Size-up
  2. Initial attack considerations
    - a. Life hazard
    - b. Exposures
    - c. Fuels, weather and topography
    - d. Suppression capabilities
- F. Field maintenance of fire tools  
Sharpen tools for fireline construction by hand filing and mechanically grinding: Fire shovel, Pulaski, McLeod, axe and brush hook.
- G. Construction of Fire Line
  1. Construct firelines using various tools for fire suppression:  
Fire shovel, Pulaski, McLeod, backpack pump, fuseage, drip torch.
  2. Fireline construction techniques
    - a. Scratch line
    - b. Trenching
    - c. Cold trailing
    - d. Spot fires and mop-up during fireline construction
    - e. Burn out
  3. Organized crew construct a fireline
    - a. With given specifications in timber, brush and grass fuels
    - b. Contain and mop-up a small wildland fire using direct attack including burning out
- H. Mop-up procedures
  1. Demonstrate containment and mop-up of fire in:
    - a. Standing snag
    - b. Base of tree or stump
    - c. Fuel jackpot
    - d. Securing potential rolling material

## **V. Assignments**

### **A. Reading Assignments**

Incident Pocket Response Guide

### **B. Writing Assignments**

Essay

### **C. Out of Class Assignments**

Students will be required to keep daily logs and complete various ICS forms

### **D. Assignments that Demonstrate Critical Thinking**

Students will be required to demonstrate proper firefighting skills (use of hand tools and types of line construction) during simulated fire exercises.

## **VI. Methods of Evaluation**

### **Traditional Evaluation**

- A. Written Examinations
- B. Demonstrate performances of firefighting skills during fire exercises
- C. Physical preparedness

## **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

### **Traditional Classroom Instruction**

Lecture, discussion, audio/visual aids, demonstration, group exercises, guest speakers, lab, individualized programs and other as needed.

## **VIII. Representative Texts and Supplies**

NWCG Incident Pocket Response Guide PMS-461 2022 edition

## **IX. Discipline/s Assignment**

Fire Technology

## **X. Course Status**

Current Status: Active

Original Approval Date: 4/23/1996

Revised By: Dan Weaver

Latest Curriculum/Academic Standards Committee Revision Date: 10/04/2022