

**FIRE 206 Course Outline as of Fall 1998****CATALOG INFORMATION**

Dept and Nbr: FIRE 206 Title: WILDLAND FF ACADEMY

Full Title: CDF Wildland Firefighter Academy

Last Reviewed: 5/13/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	18.00	2	Lecture Scheduled	36.00
Minimum	3.00	Lab Scheduled	24.00	1	Lab Scheduled	48.00
		Contact DHR	0		Contact DHR	0
		Contact Total	42.00		Contact Total	84.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 72.00

Total Student Learning Hours: 156.00

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 27 - Exempt From Repeat Provisions

Also Listed As:

Formerly: FIRE299.44

**Catalog Description:**

Safety policies, wildland safety, and survival, fire control strategy and tactics, mobile attack, wildland hose lays and handline construction. A field skills day is included (live fire operations).

**Prerequisites/Corequisites:****Recommended Preparation:**

Fire 208.1 or equivalent.

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Safety policies, wildland safety & survival, fire control strategy & tactics, mobile attack, wildland hose lays & handline construction. Field skills day is included with live fire operations. (P/NP Only)

Prerequisites/Corequisites:

Recommended: Fire 208.1 or equivalent.

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Outcomes and Objectives:**

The students will:

1. List and define basic wildland firefighting methods, equipment, and their use.
2. Identify safety and survival on wildland fires.
3. List and identify basic fire behavior and chemistry.
4. Demonstrate the use of self breathing apparatus, fire hose nozzles, road flares, ladders, backpumps, hand tools, and fire shelters.
5. Identify wildland firefighting terminology.
6. List and identify fire orders.
7. Identify Incident Command System
8. Identify wildland tactics and strategy operations.
9. Demonstrate wildland firefighting techniques.

**Topics and Scope:**

I. Orientation

A. CDF Mission & Orientation

B. Policies & Regulations

1. Ethics, diversity, sexual harassment
2. Fire line injuries
3. Working with inmate fire crews

II. Basic Fire Chemistry

A. Heat transfer

B. Phases of Fire

III. Wildland FF Terminology

A. Parts of Wildland Fire

B. Wildland fuels

C. Topography

D. Warning signals

IV. Safety

- A. Wildland safety uniform
  - B. Protective clothing
  - C. SCBA
    - 1. Donning equipment
  - D. Fire shelter
    - 1. Deploying equipment
  - E. "Watch out" situations
  - F. Using a vehicle as refuge
  - G. Air tanker retardant drop and safety precautions
  - H. Rotary wing aircraft precautions
  - I. Bulldozer operations
- V. Wildland firefighting equipment operations
- A. Fire hose
    - 1. Construction and care
    - 2. Couplings
    - 3. Appliances
    - 4. Progressive hose lays
  - B. Road flares
    - 1. Use and care
  - C. Ladders
    - 1. Terminology
    - 2. Use
  - D. Back pumps
    - 1. Use
    - 2. Operations
  - E. Hand tools, use and maintenance
    - 1. Brush hooks
    - 2. Pulaski
    - 3. Double bit axe
    - 4. Round point shovel
    - 5. McLeod
- VI. Tactics and strategy
- A. Mobile attack
  - B. Pincer attack
  - C. Tandem attack
  - D. Handline construction
  - E. Vegetation fire safety
  - F. Building construction considerations
  - G. Topography and weather considerations
  - H. Structural protection operations
  - I. Overhaul and mop-up operations
- VII. Incident command systems
- A. I-100 class
- VIII. Health and safety
- A. Emergency operations

**Assignment:**

The student will:

1. Analyze and identify wildland fire behavior.
2. Identify and describe Firefighter Safety & Survival Techniques.
3. Identify and define Wildland Firefighting Field Hydraulics

(Direct & Indirect Attack).

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework

Writing  
10 - 15%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Field work, Quizzes, Exams

Problem solving  
20 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Field work, Performance exams

Skill Demonstrations  
30 - 40%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice, Completion

Exams  
30 - 50%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

### Representative Textbooks and Materials:

CDF WILDLAND FIREFIGHTER ACADEMY MANUAL.