

Las Positas College
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Course Outline for FST 200

WILDLAND FIRE FIGHTING LIVE EXERCISE

Effective: Fall 2018

I. CATALOG DESCRIPTION:

FST 200 — Noncredit

Wildland Fire Fighting, a live fire exercise, with emphasis on wildland fire behavior and utilization of effective control and suppression techniques. Additional emphasis on ICS organization and applications, weather influence, equipment usage, firing operations, dozer applications, hand tool applications, and firefighter safety associated with a Wildland Fire Incident. Students must be current members within a recognized Fire Service Agency.

Grading Methods:

Non-Credit

Discipline:

- Fire Technology

Noncredit Category

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| | MIN |
|-------------------------------|------|
| Total Noncredit Hours: | 0.00 |

II. PREREQUISITE AND/OR ADVISORY SKILLS:

III. MEASURABLE OBJECTIVES:

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

- A. Utilize wildland terminology;
- B. Demonstrate wildland firefighter safety;
- C. Utilize wildland tools and suppression equipment;
- D. Demonstrate understanding of basic wildland fire behavior;
- E. Demonstrate understanding of ICS organizational structure;
- F. Demonstrate appropriate fire control and suppression techniques;
- G. Utilization of appropriate PPE's and safety equipment.

IV. CONTENT:

- A. Suppression organization and methods
 1. Equipment
 - a. Fire Apparatus
 - b. Air Attack - Helitack
 - c. Hand tools
 - d. Fire hose
 - e. Heavy equipment, Dozers
 - f. Communications-Radios
 - g. Firing equipment
- B. Fire behavior
 1. Fuel
 2. Weather
 3. Topography
- C. Extinguishing agents
 1. Water
 2. Class "A" Foam
 3. Surfactants (Wetting Agents)
 4. Dirt
- D. Strategy
 1. Response
 2. Size-up
 3. Rescue
 4. Exposure
 5. Attack methods
 - a. Direct Attack
 - b. Indirect Attack
 - c. Pincer Action
 - d. Tandem Attack
 - e. Envelopment Action
 6. Confine

- 7. Extinguishment
- 8. Mop-up (overhaul)
- 9. Patrol
- E. Fire organization
 - 1. Planning
 - 2. Fire line
 - 3. Support
 - 4. Base
 - 5. Staging
 - 6. Check-in
 - 7. Communications
 - 8. Demobilization
 - 9. Medical Group
 - 10. Training Specialist
- F. Fire safety
 - 1. Line organization
 - 2. Personal
- G. Personal protective equipment
- H. Fire shelters
- I. Urban interface hazards
- J. Safety
 - 1. Aircraft Safety
 - 2. Dozer Safety
 - 3. Heat Stress
 - 4. Escape Routes
 - 5. Safety Zones
- K. Tools and equipment
- L. Fire Suppression Techniques
 - 1. Progressive Hose Lays
 - 2. Hand Tools
 - 3. Mobile Attacks
- M. Firing Techniques
 - 1. Line Firing
 - 2. Strip Firing

V. METHODS OF INSTRUCTION:

- A. Practical field applications
- B. Incident Action Plan
- C. Group discussion
- D. Live fire exercises

VI. TYPICAL ASSIGNMENTS:

A. Students will be able to develop wildland interface scenarios and the procedures to size up, contain, extinguish and overhaul. B. Students will be able to demonstrate in field exercises the proper use of tools and equipment. C. Students will demonstrate proper extinguishment methods using available means and equipment. D. Students will utilize appropriate ICS applications and organization. E. Students will utilize proper terminology and appropriate communications applications via radio.

VII. EVALUATION:

Methods/Frequency

- A. Other

VIII. TYPICAL TEXTS:

- 1. Perry *Wildland Fire Fighting*. 4th ed., IFSTA Fire Publications, IFFTA, 0.

IX. OTHER MATERIALS REQUIRED OF STUDENTS: