

# FOR 110 : WILDLAND FIRE SCIENCE I

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## Transcript title

Wildland Fire Science I

## Credits

2

## Grade mode

Standard letter grades

## Contact hours total

40

## Lecture hours

10

## Lab hours

30

## Description

Focuses on the effects of Wildland Fire Policy, current fire suppression strategies and tactics; weather, topography, fuel models and how each interact to effect fire behavior. Additional topics include the wildland fire environment as it relates to situational awareness and personal safety. An overview of modern wildland firefighting with an emphasis on understanding and applying fireline safety. Course cannot be challenged, but will be waived for those with proof of wildland fire single resource status.

## Learning outcomes

1. Identify major U.S. wildfires and how they effected and shaped U.S. Fire Policy.
2. Understand current wildland fire policy.
3. Working knowledge of basic wildland fire physics.
4. Identify and describe common fuel types.
5. Understand, discuss and have a working knowledge of current fireline safety practices.
6. Understand and describe the National Incident Management System (NIMS) its development and current configuration.
7. Hand tool use and maintenance.
8. Crew composition, structure and management.
9. Understand basic wildfire tactics, size-up, initial attack, mop-up, patrol. Includes mechanized and aerial attack.
10. Identify and understand principals of defensible space as it applies to the western states wildland/urban interface.
11. Understand large fire support, both operational and logistical.
12. Understand and apply principals of wildland fire situational awareness through review and study of past near misses and fireline fatalities. (Class project)