

S-390, Introduction to Wildland Fire Behavior Calculations

2006 Tuition for students from non-sponsoring units: \$300

42-44 hrs

Course Description

This course is designed to introduce fire behavior calculations by manual methods, using nomograms and the *Fireline Handbook Appendix B: Fire Behavior*, PMS 410-2. Students gain an understanding of the determinants of fire behavior through studying inputs (weather, slope, fuels, and fuel moisture). Students also learn how to interpret fire behavior outputs, documentation processes, and fire behavior briefing components.

Objectives

- List the assumptions, limitations, and appropriate uses of fire behavior prediction models.
- Describe how environmental factors and processes affect fire behavior predictions and safety.
- Define and interpret fire behavior prediction model inputs.
- Calculate fire behavior outputs using available fire behavior processors.
- Interpret, communicate, apply, and document wildland fire behavior and weather information.

Course Components and Hours to Complete

Pre-selection assessment	2
Pre-course work	8-10
Online training	N/A
Instructor-led training	32
Total Hours	42-44

Target Group

Personnel desiring to be qualified as Division/Group Supervisor (DIVS), Prescribed Fire Burn Boss Type 2 (RXB2), or Incident Commander Type 3 (ICT3).

Course Prerequisites

Intermediate S-290, Wildland Fire Behavior.

Qualified as any Single Resource Boss.

Satisfactory completion of pre-selection assessment and pre-course work.

Course Coordinator	Phone / E-mail Address	Nomination Form
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