

FOR 437: LANDFIRE: Concepts, Data, and Methods

Version 2.0

Course Outline

Using Blackboard: *approximately 15 minutes*

This overview presentation explains how to navigate the Blackboard program, including instructions on accessing lessons and documents, taking quizzes, and understanding the course format.

Course Introduction: *approximately 15 minutes*

This lesson provides information regarding the course outline and objectives.

Lesson 1: LANDFIRE Overview: *approximately 1 hour*

This lesson provides the participant with a general understanding of the Landscape Fire and Resource Management Planning Tools Project, LANDFIRE.

Quiz: quiz for Lesson 1

Lesson 2: LANDFIRE Product Development Overview: *approximately 1 hour*

This lesson provides information on the steps involved in creating the LANDFIRE data products.

Quiz: quiz for Lesson 2

Lesson 3: Ecology Basics Overview: *approximately 1 hour*

This lesson provides a review of the key facets of landscape ecology and scale.

Quiz: quiz for Lesson 3

Lesson 4: Fire Regimes & LANDFIRE: *approximately 1 hour*

This lesson provides information on natural fire regimes and an introduction to the FRCC fire regime classification as well as the LANDFIRE fire regime layers.

Quiz: quiz for Lesson 4

Lesson 5: Biophysical Settings & LANDFIRE Non-Spatial Data: *approximately 1 ½ hours*

This lesson provides information on biophysical settings and their use in framing fire regimes and reference conditions.

Optional Reading: GTR RMRS-87: Development of Coarse-Scale Spatial Data for Wildland Fire and Fuel Management

Quiz: quiz for Lesson 5

Lesson 6: Fire Regime Condition Class & LANDFIRE: *approximately 1 hour*

This lesson explains the fire regime condition class assessment method and how to use it. It also covers the several LANDFIRE GIS map layers related to fire regime condition class assessment.

Quiz: quiz for Lesson 6

Lesson 7: LANDFIRE Vegetation Map Development: *approximately 1 ½ hours*

This lesson provides a general understanding of the LANDFIRE vegetation layers.

Quiz: quiz for Lesson 7

Lesson 8: Fuel Characteristics Overview: *approximately 1 ½ hours*

This lesson focuses on the basic characteristics of wildland fire, fuel, and fire weather that are important to wildland fire and fuel management.

Optional Reading: GTR INT-122: Aids to Determining Fuel Models for Estimating Fire Behavior

Quiz: quiz for lesson 8

Lesson 9: LANDFIRE Fuel Products: *approximately 1 hour*

This lesson focuses on the LANDFIRE data products commonly used in assessing wildland fuel, potential fire behavior, and integrated landscape management.

Optional Reading: GTR RMRS-153 Standard Fire Behavior Fuel Models: A Comprehensive Set for Use with Rothermel's Surface Fire Spread Model.

Quiz: quiz for Lesson 9

Lesson 10: Accessing LANDFIRE Spatial Data: *approximately 1 ½ hours*

This lesson introduces participants to LANDFIRE's spatial data dissemination site, the *National Map LANDFIRE* as well as other options for obtaining LANDFIRE's spatial data products.

Quiz: quiz for Lesson 10

Required Certification Questionnaire

Required information for the LANDFIRE helpdesk to track and issue the FOR-437 LANDFIRE Certificate of Completion.

Certification

The FOR-437 LANDFIRE Certificate is available for printing from the course homepage once the training has been completed.

Course Evaluation

Optional, anonymous course evaluation.