



**National Advanced Fire & Resource Institute**  
Managed By The U.S. Forest Service

3265 East Universal Way, Tucson, Arizona 85706  
Phone 520-799-8787 • Fax 520-799-8785 • [www.nafri.gov](http://www.nafri.gov)

**File Code:** 5100

**Date:** March 6, 2008

**Subject:** M-580 Fire in Ecosystem Management  
April 14 – 18, 2008

**To:** M-580 Course Participant

Congratulations on your selection to attend the M-580 Fire in Ecosystem Management course to be held at the National Advanced Fire and Resource Institute (NAFRI). The course dates are April 14 - 18, 2008. Please note the course starts Monday morning at 0800. Enclosed you will find; the course schedule, faculty, steering committee, and participant rosters, and details on logistics of the course.

**Course Information:**

M-580 begins Monday, April 14 at 0800 in the Sonoran Auditorium. The course ends at 1600 on Friday, April 18. Do not make flight reservation that will interfere with the course times.

M-580 is a national level training course. As such, you can expect long days. You will be expected to attend the entire course.

This course generates various handouts but not a notebook per se. At the end of the course each participant will receive a CD with all lesson plans, most PowerPoint's, and various handouts. There are many instructors for this course and the steering committee feels you can give each instructor your attention without the distraction of looking at documents during the presentations.

**Cancellation Policy:**

If for any reason you are unable to attend the course, please let us know. Do not replace yourself.

**Logistics:**

**Course Facility**

Our facility is close to the Tucson International Airport. You can find a map of the area at [www.nafri.gov](http://www.nafri.gov).

**Place:** National Fire Institute (NAFRI)

**Main Phone:** (520) 799-8787

**Address:** 3265 E. Universal Way, Tucson, AZ 85706

**Fax:** (520) 799-8785

**Travel Arrangements**

The course begins on Monday morning, April 14th at 0800. Travel should be scheduled for Sunday, April 13th, 2008. The course ends Friday, April 18th at 1600. When making your return flight arrangements, allow at least 15 minutes from NAFRI to the Tucson International Airport by car.

**Lodging**

For a listing of hotels near the National Fire Institute, go to the main NAFRI website (<http://www.nafri.gov>). Please mention you are with NAFRI.

The hotels and inns located in this area provide a wide variety of amenities suitable for all visitors. The hotels and the National Fire Institute are within one mile of the Tucson airport. Most of the hotels also provide free continental breakfast. Other amenities may be provided based on the individual hotel properties. Be sure to confirm with the hotel when setting up your reservation.

**Transportation**

If you are not renting a car, NAFRI will be providing a van shuttle service to and from the hotels as needed for the course, once in the morning and again after class in the evening. Please call the NAFRI main number (520-799-8787) to make arrangements or go online <http://www.nafri.gov> to sign up for a ride.

**Restaurants**

There are plenty of lunch options within walking distance.

We are looking forward to presenting M-580 here at NAFRI. Please contact Deborah Corner, M-580 Course Coordinator, at 520-799-8752 or by email [dcorner01@fs.fed.us](mailto:dcorner01@fs.fed.us) with any questions or concerns about the M-580 Course.

MERRIE M. JOHNSON  
Director

Attachments

## M-580 FIRE IN ECOSYSTEM MANAGEMENT

April 14 - 18, 2008

Tucson, Arizona

### COURSE OBJECTIVES

- Describe the significance and role of fire and fire management in ecosystem management.
- Describe the complexity of integrating fire and vegetation management with social, political, legal, economic and environmental factors.
- Provide participants with tools, concepts, reference resources, techniques and methodologies to address fire and ecosystem management issues including collaboration with the public and other agencies.

### COURSE DESCRIPTION

Through lectures, case studies, and interaction between participants and faculty, the course:

- Explores the role of fire and fire management in ecosystem management.
- Examines social, political, legal, economic, and environment factors critical to fire and fuels treatment for ecosystem management.
- Present real-world examples of fire management applications in ecosystem management throughout a range of ecosystems and scales.

Case studies from North America are presented to expose participants to a variety of ongoing programs attempting to integrate the historical, ecological and socioeconomic aspect of fire management into ecosystem management.

Nationally recognized subject matter experts and practitioners serve as instructors in this course.

**The course does not provide a “cookbook” for ecosystem management, rather this course provides concepts, and ecological - social considerations to assist the student with developing specific fire management programs. Local fire effects information and monitoring details are provided in other courses.**

# NATIONAL ADVANCED FIRE AND RESOURCE INSTITUTE

April 14 – 18, 2008

## FIRE IN ECOSYSTEM MANAGEMENT

1 – Opening Comments .....	Bob Mutch
2 – Fire Leadership & Ecosystem Management .....	Al Koss
3 – Landscape Ecology .....	Wendel Hann
4 – Human Component of Landscape Ecology.....	Terry Daniel
5 – Historical Role of Fire .....	Steve Pyne
6 – Fire Cycle Determination .....	Bill Patterson
7 – Fire Regimes: Applying Ecological .....	Bob Mutch/Kathy Davis
8 – Ecosystem Dynamics .....	Molly Hunter
9 – Soil & Water .....	Dan Neary/Leonard DeBano
10 – Soil Case Study .....	Deborah Martin
11 – Fire in Wetlands .....	Gordie Reeves
12 – Invasive Species .....	Matt Brooks
13 – Cheat Grass Case Study .....	Mike Pellant
14 – Long Term Evolution of a Fire Management Program .....	Bob Panko
15 – Fire in Grasslands, Shrublands, and Riparian Zones: Homogenization and Fragmentation .....	Dave Engle
16 – Prairie Restoration for Biological Diversity and Wildlife .....	Terry Bidwell
17 – Smoke/Air Quality Management .....	Dennis Haddow
18 – Fire and Climate Change .....	Tom Swetnam
19 – Cultural Resources .....	Gary Knudsen
20 – Understanding Politics .....	Patricia Woods
21 – Collaboration .....	Lynn Decker
22 – Mescalero Case Study .....	Bill Hornsby
23 – Media and Public Perceptive .....	Ed Nesselroad & TBD
24 – Fire Marketing .....	Ed Nesselroad
25 – Legal Considerations .....	Patricia Disert
26 – Integrating Ecological and Human Dimensions in Banff National Park and Alberta’s East Slopes .....	Cliff White
27 – Closeout .....	Dennis Dupuis

NATIONAL ADVANCED FIRE & RESOURCE INSTITUTE

**FIRE IN ECOSYSTEM MANAGEMENT**

**Day One  
April 14, 2008**

**Day leader – Dennis**

<b>0800 – 0850</b>	<b>- Course Introduction</b>	<b>Dennis Dupuis</b>
<b>0850 – 0900</b>	<b>BREAK</b>	
<b>0900 - 0950</b>	<b>- Opening Comments</b>	<b>Bob Mutch</b>
<b>0950 – 1000</b>	<b>BREAK</b>	
<b>1000 – 1130</b>	<b>- Landscape Ecology</b>	<b>Wendel Hann</b>
<b>1130 – 1230</b>	<b>- LUNCH</b>	
<b>1230 – 1400</b>	<b>- Human/Social Dimensions of Fire Risk Management</b>	<b>Terry Daniel</b>
<b>1400 – 1410</b>	<b>BREAK</b>	
<b>1410 – 1500</b>	<b>- Fire Leadership &amp; Ecosystem Management</b>	<b>Al Koss</b>
<b>1500 – 1510</b>	<b>BREAK</b>	
<b>1510 – 1700</b>	<b>- Historical Role of Fire</b>	<b>Steve Pyne</b>
<b>1700 – 1710</b>	<b>Wrap Up</b>	



NATIONAL ADVANCED FIRE & RESOURCE INSTITUTE

FIRE IN ECOSYSTEM MANAGEMENT

Day Three  
April 16, 2008

Day leader – \_\_\_\_\_

0750 – 0800 Day Intro

0800 – 0850 - Soils Case Study Deborah Martin

0850 – 0900 BREAK

0900 – 0950 - Fire & Climate Change Tom Swetnam

0950 – 1000 BREAK

1000 – 1100 - Invasive Species Matt Brooks

1100 - 1110 BREAK

1110 – 1200 - Cheat Grass Case Study Mike Pellant

1200 – 1300 - LUNCH

1300 – 1515 - Fire in Grasslands, Shrublands, and Riparian Zones:  
Homogenization and Fragmentation Dave Engle

- Prairie Restoration for Biological Diversity and Wildlife Terry Bidwell

1515 – 1530 BREAK

1530 – 1700 - Smoke/Air Quality Management Dennis Hadow

1700 – 1710 Wrap Up







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**April 14 - 18, 2008**

**Tucson, Arizona**

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**April 14 - 18, 2008**  
**NAFRI National Advanced Fire and Resource Institute**  
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**M-580 Fire In Ecosystem Management**

**April 14 - 18, 2008**

**Tucson, Arizona**

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