National Fire Academy

F0638 – Wildland Urban Interface: Fire-Adapted Communities — Strategies for Developing a Fire-Adapted Community, Course II
Version: 1st Edition, 2nd Printing, April 2017
Quarter:
ACE Credit: In the lower division baccalaureate/associate degree category, one semester hour in fire science, fire prevention or public policy.
IACET Continuing Education Units: 0.0

Length of Course: 2 Days (12 hr., 35 min. contact hours)
Prerequisite: Completion of F/W0637
Curriculum: Fire Prevention: Technical and Wildland Urban Interface Training
Specialist: Mike Weller
Instructor:
Instructor email/phone:
Classroom: J-
Meeting Time: 8 AM – 5 PM

Table of Contents

Course Description	Course Resources
Primary and Secondary Audience	Evaluation Procedures
Course Scope	Course Outline
Course Objectives	Policies
Course Delivery Method	

Course Description (Catalog)

F0638 – "Wildland Urban Interface: Fire-Adapted Communities — Strategies for Developing a Fire-Adapted Community, Course II." This two-day course empowers the student to select applicable FAC mitigation strategies to include in a CWPP for the local community. The course is designed to identify mitigation strategies in each of the four WUI hazard attribute environments as a critical step in the development of a Community Wildfire Protection Plan.

Student Qualifications (Primary and Secondary Audience)

The target audience for this course includes, but is not limited to, the following:

- Fire and emergency service representatives.
- Community leaders/decision-makers.
- Commissioners, elected officials and other local policymakers.
- Code officials: building, planning, etc.
- Environmental groups.
- Land managers and foresters.
- Other key local stakeholders.

Course Scope (Goal)

The goal of the course is to empower students with the ability to create and sustain a fire-adapted community (FAC) located within a wildland urban interface (WUI). Students will learn how to convene a community coalition that will suggest the use of broad-based fire mitigation strategies, resulting in the development of a Community Wildfire Protection Plan (CWPP).

Course Objectives (Course Learning Outcomes – TLOs)

After successfully completing this course, you will be able to accomplish the following:

- Select applicable fire-adapted community (FAC) mitigation strategies to include in a Community Wildfire Protection Plan (CWPP) for the local community.
- Identify how technical tools that support development of a fire-adapted community (FAC) can be used in their locality.

Course Delivery Method

The National Fire Academy (NFA) offers specialized training courses and advanced management programs of national impact in an academic classroom environment on campus at the National Emergency Training Center (NETC) in Emmitsburg, Maryland and through their State, local, tribal, and US territories training partners. All course materials are designed for interactive classroom environments, in either paper notebook or electronic formats.

Course Schedule

The purpose of the course schedule is to give you, at a glance, the required preparation, activities, and evaluation components of your course.

DAY 1	DAY 2
Introduction, Welcome and Administrative Unit 1: Mitigation Strategies	Activity 1.4: Putting It All Together — Wildland Urban Interface Mitigation Strategies
Break	*Break*
Unit 1: Mitigation Strategies (cont'd) Activity 1.1: Mitigation Strategies for the Natural Environment	Unit 2: Technical Tools to Support Fire-Adapted Communities
Break	*Break*
Unit 1: Mitigation Strategies (cont'd) Activity 1.2: Mitigation Strategies for the Built Environment	Activity 2.1: Using Building and Planning Codes Unit 2: Technical Tools to Support Fire-Adapted Communities (cont'd)
Lunch	*Lunch*
Unit 1: Mitigation Strategies (cont'd)	Activity 2.2: Use of Wildland Fire Preplans Unit 2: Technical Tools to Support Fire-Adapted Communities (cont'd)
Break	*Break*
Unit 1: Mitigation Strategies (cont'd) Activity 1.3: Mitigation Strategies for the Social Environment	Unit 2: Technical Tools to Support Fire-Adapted Communities (cont'd) Administer Exam Course Evaluation

Day 1 Homework:
Read "Lessons Learned from Waldo Canyon" in Appendix B of Unit 1. Each group is assigned a mitigation environment to report on as part of Activity 1.4.

Note: Times listed reflect approximate instructional time blocks and may be adjusted to meet individual course preferences.

Course Resources (Instructional Materials)

In order to be fully prepared, obtain a copy of the required textbooks and other instructional materials prior to the first day of class.

Required Readings

The student must complete required readings during the course to be able to thoughtfully participate in discussions and activities.

None.

Suggested Reading/Resources

Suggested readings and resources are not evaluated, but may enhance the student's understanding, serve as additional sources for citation and promote discussion of course material.

None.

Required Resources (Course Textbook)

Student Manual.

Supplemental Resources (Supplemental Course Textbook)

None.

Grading Methodology (Evaluation Procedures)

Each two-day course will be assessed by a 25-question examination (100 points).

The required performance to successfully complete the course is attained by completing the class with a letter grade of a "C" or higher.

Letter Grade	Point Range
A	90-100
B	80-89
C	70-79
F	69 or lower

EXAMINATION ADMINISTRATION PROCEDURES

Students will be given exams at the end of the class, and only the instructor will grade the exams. While the exams are being graded by the instructor, students will be asked to complete end-of-course evaluations.

Exams are to be completed individually and not as a group or a group activity, unless specifically directed within the instructor guide for the specific course. Students should use pencils to complete answer sheets if bubble sheets and a scoring key overlay are being used.

There should only be one answer for any given question marked by the student. A question with multiple answers is considered incorrect. Please mark number of incorrect answers on completed exam sheets, record score (percentage), and mark the appropriate letter grade.

Transfer the letter grades to the corresponding student name on the course roster.

If a student does not obtain a passing grade on the first attempt, the instructor will provide remediation[1] prior to a retest. Students who do no pass the first exam will be allowed to take one retest of a new exam before departing from the class. A second failure will result in a grade of "F" being recorded on the grade roster.

Once all exams have been graded, instructors should review the exam as a group.

In the event of unusual events (storm, fire response, family emergency) or early departure, the host agency or state representative may be asked to proctor the exam at a later date. The instructor is responsible to notify the Training Specialist as soon as practical of the situation and name of person responsible for the exams and testing process.

Required Reading Assignments

Student completion of reading assignments will be done via evaluation of their class participation and will not be a separately graded activity.

Suggested Readings

Suggested readings are not evaluated, but may enhance the student's understanding and promote discussion of course material.

Course Outline

Unit 1: Mitigation Strategies (Day 1)

Objectives

Terminal Objective

The students will be able to:

1.1   Select applicable fire-adapted community (FAC) mitigation strategies to include in a Community Wildfire Protection Plan (CWPP) for the local community.

Enabling Objectives

The students will be able to:

1.1   Describe how a CWPP supports the primary elements of an FAC.

1.2   Categorize the five types of mitigation strategies.

1.3   Suggest mitigation strategies that may be integrated into a CWPP.

Unit 2: Technical Tools to Support Fire-Adapted Communities (Day 2)

Objectives

Terminal Objective

The students will be able to

2.1   Identify how technical tools that support development of a fire-adapted community (FAC) can be used in their locality.

Enabling Objectives

The students will be able to:

2.1   Give examples of how national codes and standards can be integrated into a Community Wildfire Protection Plan (CWPP) to support an FAC.

2.2   Describe the technical tools that can be used to support a CWPP and FAC initiative.

2.3   Explain how fire modeling technology can be used to support a CWPP and FAC initiative.

2.4   Articulate how to integrate a wildland fire preplan into a CWPP.

2.5   Discuss strategies that other communities are using to mitigate wildland fire and develop FACs.

Policies

Class Attendance and Cancellation Policy

<u>Attendance</u>

- You are required to attend all sessions of the course. If you do not, you may not receive a certificate.

- If you need to depart the training facility early and miss any portion of the course, you must make the request in writing to the sponsoring agency (e.g., State training director, etc.). The State training director may waive the attendance requirement in order to accommodate you with extraordinary circumstances as long as you complete all course requirements.

<u>Course Failure</u>

You can reapply for the failed course or any other NFA course and go through the random selection process. You don't have to successfully complete the failed course before attending another NFA course.

<u>Student Code of Conduct Policy</u>

Students, instructors and staff are expected to treat each other with respect at all times. Inappropriate behavior will not be tolerated.

<u>Writing Expectations</u>

Student writing will conform to the generally accepted academic standards for college papers. Papers will reflect the original work of the student and give appropriate credit through citations for ideas belonging to other authors, publications or organizations. Student written work should be free of grammatical and syntax errors, free of profanity or obscene language or ideas, and reflect critical thinking related to the course subject matter.

<u>Citation and Reference Style</u>

Attention Please: Students will follow the APA, Sixth Edition as the sole citation and reference style used in written work submitted as part of coursework to NFA. Assignments completed in a narrative essay, composition format, abstract, and discussion posts must follow the citation style cited in the APA, Sixth Edition.

Late Assignments

All assignments must be turned in by the established deadline. Late submissions could result in a 10 percent decrease in grade.

Disclaimer Statement

Course content may vary from the outline to meet the needs of this particular group.

Grading

Please review the following rubrics that explain how grades will be awarded.

Students who do not complete the entire course will be awarded an Incomplete (I) grade. In accordance with National Fire Academy academic policies, an Incomplete (I) grade must be removed by the end of the next semester following the course, or it automatically becomes a Failing (F) grade.

https://www.usfa.fema.gov/training/nfa/admissions/student_policies.html

Academic Honesty

Students are expected to exhibit exemplary ethical behavior and conduct as part of the NFA community and society as a whole. Acts of academic dishonesty including cheating, plagiarism, deliberate falsification, and other unethical behaviors will not be tolerated.

Students are expected to report academic misconduct when they witness a violation. All cases of academic misconduct shall be reported by the instructor to the State training director or host agency and to the NFA Training Specialist.

If a student is found to have engaged in misconduct and the allegations are upheld, the penalties may include, but are not limited to one or a combination of the following:

- expulsion,
- exclusion from future classes for a specified period; depending on the severity it could range from 1-10 years, and/or
- forfeiture of certificate for course(s) enrolled in at NETC.

Refer to NFA-specific Standard Operating Procedure 700.1 – *Academic Code of Conduct and Ethics* for more information.