"Wildland-Urban Interface Risk Assessment & Mitigation for the Fire Service"

The National Fire Academy has partnered with the Society of Fire Protection Engineers (SFPE) Foundation to offer a new, premier wildland-urban interface (WUI) course: "Wildland-Urban Interface Risk Assessment & Mitigation for the Fire Service." This two-day course (16 instruction hours) brings science-based fire engineering research and guidance to fire service personnel operating in WUI areas.

Drawing on codes and standards, the SFPE Foundation *WUI Virtual Handbook*, and many other resources, this course provides a basic overview of fire dynamics; fire modeling; human behavior in fire; structural and property hardening; fire protection systems; risk assessment methods, models, and training; stakeholder engagement; community notification and evacuation; codes, standards, and case studies; community hazard assessment, community design and protection; community education, messaging, and partnerships; and, infrastructure hardening. Led by experienced instructors with fire protection engineering and fire service experience, the course is designed for a maximum of 35 students and utilizes lecture and group activities in a highly interactive setting to promote learning.

While most suitable for those with little to no prior WUI training experience, the course contains information that is likely to add value to fire service personnel on the planning and prevention side at all levels. This course would also be suitable for personnel in building and planning departments, code officials, or community risk reduction personnel in WUI or WUI-adjacent communities. All students who satisfactorily complete the course will receive a Certificate of Completion from the National Fire Academy and a Certificate of Completion from the SFPE Foundation with ICC professional development credit hours.

An example agenda for this two-day offering is included on the next page.

Questions? Contact: Lisa VanBuskirk, WUI Program Manager, SFPE Foundation
lvanbuskirk@sfpefoundation.org

2-DAY WUI RISK ASSESSMENT COURSE SCHEDULE		
DAY ONE		
Introduction	Registration/Introductory Slides	8:00-8:30
Module 1: Fire Protection	Part A: Fire Dynamics	8:30--12:00
	Part B: Fire Modeling	
	Part C: Human Behavior in Fire	
	Small Group Activity and Summary Discussion	
	Lunch (60-minutes)	12:00-13:00
Module 2: Individual Asset	Part A: Structural/property hardening	13:00-16:00
	Part B: Fire Protection Systems	
	Part C: Risk Assessment Methods, Models & Training	
	Part D: Stakeholder Engagement	
	Small Group Activity and Summary Discussion	
Day 1 Wrap-Up	Day 1 Wrap-up	16:00-17:00
DAY TWO		
Day 1 Recap	Sign-in/Day 1 Recap	8:00-8:15
Module 3: Community	Part A: Notification	8:15-11:00
	Part B: Evacuation	
	Part C: Codes, Standards, and Case Studies	
	Small Group Activity and Summary Discussion	
	Lunch (60-minutes)	11:00-12:00
Module 4: Community	Part A: Community Hazard Assessment	12:00-13:30
	Part B: Community Design & Protection	
	Part C: Community Education, Messaging, Partnerships	
	Part D: Infrastructure Hardening	
	Small Group Activity and Summary Discussion	
Module 5: WUI Virtual	Part A: Origins of the WUI Virtual Handbook	13:30-15:30
	Part B: Overview of Content	
	Part C: Special Features and Supporting Materials	
	Part D: Small Group Activity, Discussion, and Examples of Use	
Review, Final Exam, and	Review and Final Exam	15:30-17:00
	Closeout and Survey	
* Breaks at Instructor discretion. Lunch time may be adjusted.		