

CALIFORNIA WILDLAND FIRE COORDINATING GROUP



DATE: January 29, 2016

SUBJECT: S-490 Advanced Fire Behavior Calculations

TO: Course Participant

Congratulations! You have been selected to attend the *S-490, Advanced Fire Behavior Calculations* course to be presented at the *Wildland Fire Training and Conference Center* (WFTC) located in McClellan, California. The course will start promptly at **0800 on Monday, February 8, 2016** and end at approximately **1300 on Friday, February 12, 2016**. To receive a certificate for successful completion of the course, you must attend the entire course, please make your travel plans accordingly.

Description: Advanced Fire Behavior Calculations, is the fourth course in a series designed to develop fire behavior and prediction knowledge and skills. This course prepares students for S-590, Advanced Fire Behavior Interpretation which addresses the skills for Fire Behavior Analyst and Long Term Fire Analyst positions. It also prepares students desiring to become qualified as a Prescribed Fire Burn Boss Type 1 (RXB1).

Objectives:

- Collect and evaluate fire behavior prediction model inputs and compute wildland fire behavior using advanced techniques.
- Use fire behavior models to predict fire growth in varied terrain.
- Define likely conditions for extreme fire behavior and potential impacts on safety.
- Interpret, communicate, apply, and document wildland fire behavior and weather information.

Course Prerequisites:

Successful completion of Introduction to Wildland Fire Behavior Calculations (S-390).

Proficiency using non-automated fire behavior processors:

- Nomograms
- Fireline Handbook, Appendix B

Proficiency using the latest computerized Fire Modeling System is required.

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Pre-Study Assignment / Special Student Instructions:

Class will be held in N104 Blackwater Room at WFTC. This classroom has desktop computers, but we do strongly recommend that you bring a notebook PC with the most current Behave Plus loaded onto it, as it will be most helpful for after hours studying.

Materials to bring with you to class include:

- The pre-work study materials and publications you received. More publications will be made available to you in class.
- Fireline Handbook – Appendix B/Fire Behavior.
- Colored pencils for map work, highlighters, pens and notepaper.

You may wish to bring:

- A pocket calculator with an exponential function.
- Sticky flags for indexing pages.

Tuition: Your tuition cost: \$500.00

All students must submit a NWCG Nomination Form with proper agency charge codes and signatures for payment. Forms can be attended on-line at: <http://www.nationalfiretraining.net/>

Dress: Students are to wear casual office attire. This means suitable for public contact (no shorts, tank tops, flip flops, etc.)

Reminder – this is a NO HAT facility.

Travel: For travel and lodging information navigate on the internet to the WFTC website: <http://www.fs.usda.gov/detail/r5/fire-aviation/management/?cid=STELPRDB5363444>
WFTC Dormitories are unavailable during the time of January 25 – April 15, 2016.

Billing Information

Forest Service (Other Regions): The approved NWCG Nomination Form will be used for payment. This form must include proper agency charge codes and signatures.

Other Federal Agencies: The approved NWCG Nomination Form will be used for payment. This form must include proper agency codes, agreement numbers and signatures.

Other Non-Federal Agencies: It is recommended that students pay with a check or money order at the facility at the start of class. There is an additional 8% administrative fee added to this tuition charge. If payment is not received, a bill of collection will be issued to your agency.

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Cancellations: Cancellations must be made one week prior to the course start date. If a cancellation occurs after the one-week cut off and the slot goes unfilled, there will be a charge not to exceed the tuition charge for the course.

Any questions regarding this may be directed to your unit training coordinator or appropriate training representative. If you are self-sponsored, you may contact the training center directly at wftc@fs.fed.us.

If you have any questions, please contact Course Coordinator, Julie Buel at the Wildland Fire Training Center

- E-Mail: jabuel@fs.fed.us
- Phone: (916) 640-1066

The value of this assignment, to you and to your agency, depends on your interest, attention and participation. We urge you to apply yourself and make the most of this opportunity.

/s/ Julie A. Buel

Julie Buel, Course Coordinator
Training Specialist
US Forest Service

Attachment

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California Wildland Fire Coordinating Group
<http://gacc.nifc.gov/oscc/cwcg/index.html>