

Submit originals (including syllabus) and one copy and electronic copy to the Faculty Senate Office  
 See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**CHANGE COURSE (MAJOR) and DROP COURSE PROPOSAL**  
 Attach a syllabus, except if dropping a course.

**SUBMITTED BY:**

Department	Emergency Services: Fire Science	College/School	CRCD – CTC
Prepared by	John George	Phone	907-455-2853
Email Contact	jgeorge@alaska.edu	Faculty Contact	John George

**1. COURSE IDENTIFICATION: As the course now exists.**

Dept	FIRE	Course #	F159	No. of Credits	3.0
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**COURSE TITLE** FIRE F159 Wildland Fire Operations Function

**2. ACTION DESIRED: Changes to be made to the existing course.**

Change Course  If Change, indicate below what change. Drop Course

<b>NUMBER</b>		<b>TITLE</b>	<input checked="" type="checkbox"/>	<b>DESCRIPTION</b>	<input checked="" type="checkbox"/>
<b>PREREQUISITES</b>		<b>FREQUENCY OF OFFERING</b>			
<b>CREDITS (including credit distribution)</b>	2+0	<b>COURSE CLASSIFICATION</b>			
<b>CROSS-LISTED</b>		Dept.		(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)	
<b>STACKED (400/600)</b> <i>Include syllabi.</i>		Dept.		Course #	
<b>OTHER (please specify)</b>	Revise curriculum to match wildfire industry request.				

**3. COURSE FORMAT**

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council and the appropriate Faculty Senate curriculum committee. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

**COURSE FORMAT:**  1  2  3  4  5  6 weeks to full semester  
 (check all that apply)

**OTHER FORMAT (specify all that apply)**

Mode of delivery (specify lecture, field trips, labs, etc) **Lecture**

**4. COURSE CLASSIFICATIONS: (undergraduate courses only. Use approved criteria found on Page 10 & 17 of the manual. If justification is needed, attach on separate sheet.)**

H = Humanities  S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? YES  NO

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, Format 6 also submitted  W = Writing Intensive, Format 7 submitted  Natural Science, Format 8 submitted

**5. COURSE REPEATABILITY:**

Is this course repeatable for credit? YES  NO

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit?  TIMES

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?  CREDIT S

6. **CURRENT CATALOG DESCRIPTION AS IT APPEARS IN THE CATALOG:** including dept., number, title and credits

**FIRE F159 Wildland Fire Operations Function**

3 Credits

Offered Fall Odd-numbered Years

Overview of the operations function including organization; implementation of the incident action plan; tactical use of crews, engines and bulldozers; appointment of supervisors in accordance with span of control; use of fixed wing and rotor wing aircraft and fire operations in the urban interface. Functional position of single resource boss/crew covered. Prerequisites: FIRE F151; FIRE F153; FIRE F155; FIRE F157; FIRE F254; or permission of instructor. (3+0)

7. **COMPLETE CATALOG DESCRIPTION AS IT WILL APPEAR WITH THESE CHANGES:** (Underline new wording strike through old wording and use complete catalog format including dept., number, title, credits and cross-listed and stacked.) **PLEASE SUBMIT NEW COURSE SYLLABUS.** For stacked courses the syllabus must clearly indicate differences in required work and evaluation for students at different levels.

**FIRE F159 ~~Wildland Fire Operations Function~~ Wildland Fire Urban Interface Operations**

~~3~~ 2 Credits

Offered Fall Odd-numbered Years

~~Overview of the operations function including organization; implementation of the incident action plan; tactical use of crews, engines and bulldozers; appointment of supervisors in accordance with span of control; use of fixed wing and rotor wing aircraft and fire operations in the urban interface. Functional position of single resource boss/crew covered. Prerequisites: FIRE F151; FIRE F153; FIRE F155; FIRE F157; FIRE F254; or permission of instructor.~~

Designed to assist both structural and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property and improvements in the wildland/urban interface. Instructional units include interface awareness, size-up, initial strategy and incident action plan, structure triage, structure protection tactics, incident action plan assessment and update, follow up and public relations, and firefighter safety in the interface. This course is based on a National Wildfire Coordinating Group (NWCG) course. Successful course completion combined with national age, physical fitness requirements, and appropriate experience as outlined by NWCG may qualify the student for an interagency fire qualification. (2+0)

NWCG Courses for F159 include:

S-215 Fire Operations in the Wildland/Urban Interface

8. **IS THIS COURSE CURRENTLY CROSS-LISTED?**

YES/NO  No

If Yes, DEPT

NUMBER

(Requires written notification of each department and dean involved. Attach a copy of written notification.)

9. **GRADING SYSTEM:** Specify only one

LETTER

PASS/FAIL:

**10. ESTIMATED IMPACT**

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

No impact. Course update only.

**11. LIBRARY COLLECTIONS**

Have you contacted the library collection development officer (*kljensen@alaska.edu*, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

No  X Yes

No library resources required

**12. IMPACTS ON PROGRAMS/DEPTS:**

What programs/departments will be affected by this proposed action?  
Include information on the Programs/Departments contacted (e.g., email, memo)

No additional impact. Course update only.

**13. POSITIVE AND NEGATIVE IMPACTS**

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

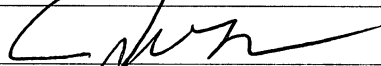
This update should allow more students to transfer credit in to UAF and to see a pathway between the AAS Wildfire Control and a career in wildland fire.

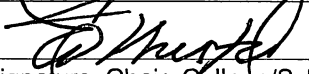
**JUSTIFICATION FOR ACTION REQUESTED**


The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you ask for a change in # of credits, explain why; are you increasing the amount of material covered in the class? If you drop a prerequisite, is it because the material is covered elsewhere? If course is changing to stacked (400/600), explain higher level of effort and performance required on part of students earning graduate credit. Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the course is not compromised as a result.

Updating this course will bring this course back in line with how the wildland fire industry offers National Wildfire Coordination Group (NWCG) courses. Some of the prior material offered in this course is no longer applicable to how courses are delivered within the NWCG. This change was requested by the wildland fire industry task force during their review of the AAS Wildland Fire Control degree.

**APPROVALS:** (Additional signature blocks may be added as necessary.)

  
Signature, Chair, Program/Department of: Emergency Services and Public Safety Date 10/4/12

  
Signature, Chair, College/School Curriculum Council for: CTC Date 11-19-12

  
Signature, Dean, College/School of: CTC Date 11/19/12

Signature of Provost (if applicable) \_\_\_\_\_ Date \_\_\_\_\_

**Offerings above the level of approved programs must be approved in advance by the Provost.**


**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE.**

Signature, Chair, UAF Faculty Senate Curriculum Review Committee \_\_\_\_\_ Date \_\_\_\_\_

**ADDITIONAL SIGNATURES:** (As needed for cross-listing and/or stacking)

Signature, Chair, Program/Department of: \_\_\_\_\_ Date \_\_\_\_\_

Signature, Chair, College/School Curriculum Council for: \_\_\_\_\_ Date \_\_\_\_\_

  
Signature, Dean, College/School of: CRCD Date 12/3/12

**University of Alaska Fairbanks  
Community and Technical College  
Emergency Services Program  
FIRE 159 –Wildland Fire Urban Interface Operations  
2.0 (2+0) Credits  
Course Syllabus**

**Course Description:**

Designed to assist both structural and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements in the wildland/urban interface. Instructional units include interface awareness, size-up, initial strategy and incident action plan, structure triage, structure protection tactics, incident action plan assessment and update, follow-up and public relations, and firefighter safety in the interface. This course is based on a National Wildfire Coordinating Group (NWCG) course.

NWGC Course included: S-215 Fire Operations in the Wildland/Urban Interface

Offered Fall

**Course Goals:**

Successful course completion combined with national age, appropriate experience, and physical fitness requirements as administered by a federal or state wildland fire agency will qualify the student for interagency certification.

**Prerequisites:**

FIRE 151 and FIRE 153

**Student Learning Outcomes:**

The successful student will be able to:

Size-up a wildland/urban interface fire incident  
Evaluate the potential situation  
Order and deploy the necessary resources  
Apply safe and effective strategy and tactics to minimize the threat to life and property.

**Methods:**

The course is primarily lecture with visuals. Group discussion is strongly encouraged. Lectures will be aided by demonstrations and field exercises. Homework assignments, periodic quizzes and unit finals will document student

progress.

**Instructor Qualifications:**

Lead instructor must be a NWCG qualified incident commander type 3 or task force leader.

Unit instructors must be NWCG qualified incident commanders type 4 or any strike team leader.

**Location and Meeting Times:**

Room X, University Park Center, 1000 University Avenue

Date 1 through Date 2, Day of the week(s), Start Time – End Time

**Grading Policy:**

<b>Average Score</b>	<b>Letter Grade</b>
90 and above	A
80 to 89.99	B
70 to 79.99	C
60 to 69.99	D
0 to 59.99	F

Attendance and Participation:	20%
Homework and Quizzes:	40%
Examinations:	40%

**Policies:**

Attendance is required at all sessions with individual participation expected. Homework is due on specified dates. Late work will be accepted with penalty. Individual needs may be discussed. Academic integrity is expected and plagiarism is unacceptable.

**UAF Honor Code**

The public holds emergency services personnel accountable to the highest standards of ethics. The credibility of our degree program requires that we meet those expectations in every way possible. As a UAF student, you are subject to the Honor Code. The University assumes that the integrity of each student and the student body as a whole will be upheld. Honesty is a primary responsibility of you and every other UAF student. It is your responsibility to help maintain the integrity of the student community including the reporting any observed violations to the Instructor or Program Coordinator. UAF's Honor Code is as follows:

1. Students will not collaborate on any quizzes, in-class exams, or take-home assignments that will contribute to their grade in a course, unless permission is

granted by the course instructor. Only those materials permitted by the instructor may be used to assist in quizzes and exams. The use of study groups is encouraged.

2. Students will not represent the work of others as their own. A student will attribute the source of information not original with himself or herself (direct quotes or paraphrases) in compositions, theses and other reports. (Specifically prohibited for this course are reports composed by other students from previous course offerings and any Internet sources.)

3. No work submitted for one course may be submitted for credit in another course without the explicit approval of both instructors. Students may use the same report topic and references from other courses if the Instructor is provided with a graded copy of any similar submissions to show that an identical report has not been submitted for credit twice.

Violations of the Honor Code will result in a failing grade for the assignment and for the course in which the violation occurred. Violations of the Honor Code may result in suspension or expulsion.

### **Disability Services:**

The Office of Disability Services implements the Americans with Disability Act (ADA), and insures that UAF students have equal access to the campus and course materials. Your instructor will work with the Office of Disabilities Services (208 WHIT, 474-5655) to provide reasonable accommodation to student with disabilities.

### **Student Texts and Supplies:**

NFES 002171	S-215 Student Workbook
NFES 001077	Incident Response Pocket Guide PMS 461

### **Suggested Readings:**

NFES 000065	Fireline Handbook PMS 411
NFES 002724	Interagency Standards for Fire & Aviation Operations

There may also be assigned readings from the internet and class handouts.

Students should come to class prepared for discussion and note taking.

### **Course Calendar with Readings and Work Assignments:** (Subject to variation as the class progresses.)

**Session 1**  
0800-0900 Unit 0 – Introduction

0900-1130 Unit 1 – Interface Awareness  
1130-1230 Lunch  
1230-1430 Unit 2 – Size-up  
1430-1700 Unit 3 – Initial Strategy and Action Plan

**Session 2**

0800-1100 Unit 4 – Structure Triage  
1100-1200 Unit 5A – Initial Operations and Sight Prep  
1200-1300 Lunch  
1300-1400 Unit 5A (continued)  
1400-1600 Unit 5B – Engine Operations, Water Use and Class A Foam  
1600-1700 Unit 5C – Support Resources: Handcrews, Aircraft and Heavy Equip.

**Session 3**

0800-0900 Unit 5C (continued)  
0900-1100 Unit 5D – Firing Operations  
1100-1200 Unit 6 – Action Plan Assessment and Update  
1200-1300 Lunch  
1300-1400 Unit 6 (continued)  
1400-1700 Unit 7 – Follow-up and Public Relations

**Session 4**

0800-0930 Unit 8 – Firefighter Safety in the Interface  
0930-1000 Review  
1000-1200 Final Exam

*Schedule for 32 hours (4 days)*

**Instructors:**

Instructor #1 Name

Contact Information:

e-mail  
Office  
Home  
Cell

Instructor #2 Name

Contact Information:

email:  
Office  
Home  
Cell