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

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

1. COURSE IDENTIFICATION: As the course now exists.
   Dept: FIRE Course #: F159 No. of Credits: 3.0
   COURSE TITLE: FIRE F159 Wildland Fire Operations Function

2. ACTION DESIRED: Changes to be made to the existing course.
   Change Course: X Drop Course: 
   If Change, indicate below what change.
   NUMBER PREREQUISITES CREDITS (including credit distribution)
   TITTLE X DESCRIPTION X
   FREQUENCY OF OFFERING
   COURSE CLASSIFICATION
   CROSS-LISTED Dept. 2+0 (Requires approval of both departments and deans involved. Add lines
   STACKED (400/600) at end of form for such signatures.
   Include syllabi.
   OTHER (please specify)
   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:
   (check all that apply)
   Lecture
   OTHER FORMAT (specify all that apply)
   Mode of delivery (specify lecture, field trips, labs, etc)
   6 weeks to full semester

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
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)

FIRE F159 Wildland Fire Operations Function Wildland Fire Urban Interface Operations

♀ 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/Urbam 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 [X] 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 (kijensen@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.

<table>
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<tr>
<th>No</th>
<th>Yes</th>
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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: 11/18/12

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

Signature of Provost (if applicable)
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: C.R.C.D
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:

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

<table>
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<tr>
<th>NFES 002171</th>
<th>S-215 Student Workbook</th>
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<tr>
<td>NFES 001077</td>
<td>Incident Response Pocket Guide PMS 461</td>
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Suggested Readings:

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<tr>
<th>NFES 000065</th>
<th>Fireline Handbook PMS 411</th>
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<tr>
<td>NFES 002724</td>
<td>Interagency Standards for Fire &amp; Aviation Operations</td>
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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