

FORMAT 1

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).
See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	Emergency Services: Fire Science	College/School	CRCD/CTC
Prepared by	Tylan Martin	Phone	907-347-8386
Email Contact	Tjmartin5@alaska.edu	Faculty Contact	John George

1. ACTION DESIRED (CHECK ONE): Trial Course New Course

2. COURSE IDENTIFICATION: Dept Course # No. of Credits

Justify upper/lower division status & number of credits:

3. PROPOSED COURSE TITLE:

4. To be CROSS LISTED? YES/NO If yes, Dept: Course #
(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

5. To be STACKED? YES/NO If yes, Dept: Course #

6. FREQUENCY OF OFFERING:
Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING (AY2011-12 if approved by 3/1/2012; otherwise AY2012-13)

8. 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. 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

OTHER FORMAT (specify) _____

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

9. CONTACT HOURS PER WEEK: LECTURE hours/weeks LAB hours/week PRACTICUM hours/week

Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-guidelines-for-computing/> for more information on number of credits.

OTHER HOURS (specify type)

10. COMPLETE CATALOG DESCRIPTION including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

<p>FIRE F152 Wildland Firefighter II</p> <p>3.0 credits (2.5+1)</p> <p>Provides wildland firefighters with knowledge and skills in the deployment, use, safe practices and field maintenance of engine powered wildland firefighting tools: portable pumps and chainsaws. Additionally provides knowledge and skills with maps, compass and GPS units for navigation in the field.</p> <p>NWCG Courses Included: S-211 Portable Pumps and Water Use S-212 Wildland Fire Chainsaws PMS-475 Basic Land Navigation</p>

11. COURSE CLASSIFICATIONS: Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? **If YES, attach form.**

YES:	<input type="text"/>	NO:	<input checked="" type="text" value="X"/>
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If YES, check which core requirements it could be used to fulfill:

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

12. 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 for credit, what is the maximum number of credit hours that may be earned for this course? CREDITS

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

13. GRADING SYSTEM: Specify only one. Note: Later changing the grading system for a course constitutes a Major Course Change.

LETTER: PASS/FAIL:

RESTRICTIONS ON ENROLLMENT (if any)

14. PREREQUISITES FIRE 151 or Instructor Permission

These will be *required* before the student is allowed to enroll in the course.

15. SPECIAL RESTRICTIONS, CONDITIONS Must have ability/strength to start a portable pump and chainsaw

16. PROPOSED COURSE FEES \$ 0

Has a memo been submitted through your dean to the Provost for fee approval?

Yes/No

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously?

Yes/No

If yes, give semester, year, course #, etc.:

18. ESTIMATED IMPACT

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

No anticipated additional impact

19. 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

Yes

X

No library resources required. Library was contacted on 3/6/2012

20. 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)

School of Management - Bachelors of Emergency Management

21. POSITIVE AND NEGATIVE IMPACTS

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

Positive impact: Provides additional credit opportunity for students to meet the BEM requirement of 30 credits from an AAS Fire Science degree.

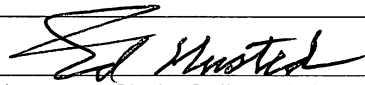

Negative impact: None anticipated

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. Use as much space as needed to fully justify the proposed course.

This course has been recommended by our wildland fire task force to meet the current industry needs for wildland fire. The course is composed of preexisting NWCG courses and realigns the degree and curriculum to match industry presentation methods.

APPROVALS: Add additional signature lines as needed.

<i><SEE SIGNATURE ON NEXT PAGE></i>	Date	
Signature, Chair, Program/Department of:		
	Date	11-19-12
Signature, Chair, College/School Curriculum Council for:		CTC
	Date	11/19/12
Signature, Dean, College/School of:		CTC
	Date	

Signature of Provost (if applicable)

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

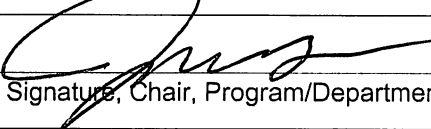
ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

	Date
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Signature, Chair

Faculty Senate Review Committee: Curriculum Review GAAC
 Core Review SADAC

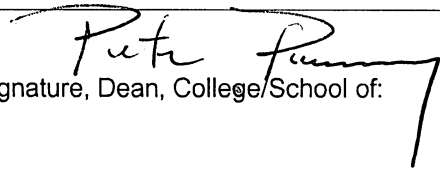
ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)

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

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

	Date
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Signature, Dean, College/School of: CACS

**University of Alaska Fairbanks
Community and Technical College
Emergency Services Program
FIRE 152 –Wildland Firefighter II
3.0 (2.5+1) Credits
Course Syllabus**

Course Description:

Provides wildland firefighters with knowledge and skills in the deployment, use, safe practices and field maintenance of engine powered wildland firefighting tools: portable pumps and chain saws. This course is based on National Wildfire Coordinating Group (NWCG) courses.

NWGC Courses included: S-211 Portable Pumps and Water Use
 S-212 Wildland Fire Chain Saws

Offered Spring

Course Goals:

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

Prerequisites:

FIRE 151 or instructor permission. Must have ability / strength to start portable pumps and saws.

Student Learning Outcomes:

The successful student will be able to:

- ❖ Select equipment required to maintain a flow of water as required by the incident.
- ❖ Install pumps, hose lays, and holding tanks to provide water for use during all phases of the incident.
- ❖ Perform required field maintenance on a portable pump.
- ❖ List, define, and apply chain saw safety standards as required by OSHA and NWCG member agency manuals, handbooks and directives.
- ❖ Incorporate the approved use, maintenance, and function of personal protective equipment in wildland fire chain saw applications.
- ❖ Identify basic chain saw part nomenclature, maintenance, tuning, troubleshooting, and safety features.
- ❖ Demonstrate field maintenance tasks required for chain saw operation.

- ❖ Articulate the tactical application of chain saws in brushing, limbing, bucking, and falling for fireline construction and mop up operations.

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 knowledgeable in the use and maintenance of portable pumps and be agency certified as a faller B.

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:

Average Score	Letter Grade
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:	50%
Examinations:	30%

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 002745	S-211 Student Workbook
NFES 002000	S-212 Student Workbook
NFES 002644	S-212 Pre-Course Workbook (online at http://training.nwcg.gov/online.html)
NFES 001077	Incident Response Pocket Guide PMS 461
NFES 001275	Water Handling Equipment Guide
NFES 000897	Fire Stream/Friction Loss Calculator

Suggested Readings:

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

0800-0830 Unit 0 – S-211 Introduction
0830-0930 Unit 1 – Physical and Chemical Properties of Water
0930-1200 Unit 2 – Fire Triangle
1200-1300 Lunch
1300-1500 Unit 3 – Basic Hydraulics
1500-1600 Unit 4 – Calculating Flow Rates
1600-1700 Unit 5 – Correct Usage of Water to Fight a Fire

Session 2

0800-0900 Unit 5 – Correct Usage of Water to Fight a Fire (continued)
0900-1030 Unit 6 – Operation of a Portable Pump
1030-1200 Unit 7 – Hose Lay
1200-1300 Lunch
1300-1430 Unit 8 – Basic Troubleshooting
1430-1700 Unit 9 – Putting it All Together Field Exercise

Session 3

0800-1700 Unit 9 – Putting it All Together Field Exercise (continued) and Exam

Session 4

0800-0830 S-212 Unit 0 – Introduction
0830-1030 Unit 1 – Safety Requirements
1030-1200 Unit 2 – Chain Saw Maintenance and Operation
1200-1300 Lunch
1300-1530 Unit 2 – Chain Saw Maintenance and Operation (continued)
1530-1700 Unit 3 – Chain Saw Tasks and Techniques

Session 5

0800-1030 Unit 3 – Chain Saw Tasks and Techniques
1030-1200 Unit 4 – Fireline Construction and Mopup
1200-1300 Lunch
1300-1400 Unit 5 – Field Practicum (introduction)
1400-1700 Unit 5 – Field Practicum

Session 6

0800-1700 Unit 5 - Field Practicum (continued)

Schedule to provide for 48+ contact hours

Instructors:

Instructor #1 Name

Contact Information:

e-mail
Office
Home
Cell

Instructor #2 Name

Contact Information:

email:
Office
Home
Cell