

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.

SUBMITTED BY:

Department

Emergency Services: Fire
Science

College/School

CRCO/CTC

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

FIRE F278 Prescribed Fire III

2.0 credits (2 + 0)

This course is designed to provide students with the knowledge and skills necessary to recognize and communicate the relationships between basic fire regimes and first order fire effects, the effects of fire treatments on first order fire effects, and to manipulate fire treatments to achieve desired first order fire effects. This course is based on a National Wildfire Coordinating Group (NWCG) course.

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

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

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

**University of Alaska Fairbanks
Community and Technical College
Emergency Services Program
FIRE ~~278~~ – Prescribed Fire 3
278 2.0 Credits
Course Syllabus**

Course Description:

This course is designed to provide students with the knowledge and skills necessary to recognize and manage prescribed fire smoke and reduce its impacts on public health and welfare. This includes familiarization with the Smoke Management Guide and air quality regulations that impact prescribed fire programs. This course is based on a National Wildfire Coordinating Group (NWCG) course.

NWGC Course included: RX-410 Smoke Management Techniques

Offered as Demand Warrants

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-155 and FIRE 255 or instructor's permission

Student Learning Outcomes:

The course is interactive lecture with visuals. Group discussion is strongly encouraged. Lectures will be aided by demonstrations and exercises. Homework

Minimum Instructor Qualifications:

All instructors should have familiarity working with fire management programs and a thorough understanding of fire effects as it applies to their specialty.

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:

Score	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%
Exercise:	40%
Examinations:	40%

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 no identical work has 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.

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

Session 1

0800-0900 Unit 0 – Introduction

0900-1000

0930-1000 Unit 2 – Leadership in Smoke Management
1000-1100 Unit 3 – Ecological and Historical Role of Fire
1100-1200 Unit 4 – Characteristics of Smoke
1200-1300 Lunch
1300-1330 Unit 5A – Public Health Impacts
1330-1430 Unit 5B – Fire Personnel Impacts
1430-1500 Unit 5C – Visibility Impacts
1500-1600 Unit 5D – Safety and Nuisance Impacts
1600-1700 Unit 5E – Public Relations

Session 2

0800-0900 Unit 6A – Legal Requirements for Managing Smoke from Wildland
Fire

0900-1000 Unit 6B – State Smoke Management Programs

1000-1200 Unit 6C – Roles Relationships and Jurisdictions

1200-1300 Lunch

1300-1500 Unit 7 – Smoke Management Meteorology

1500-1700 Unit 8 – Fuel Consumption and Smoke Production

Session 3

0800-1000 Unit 9 – Fuel Emissions and Dispersion Modeling

Instructors:

Instructor #1 Name

Contact Information:

e-mail

Office

Home

Cell

Instructor #2 Name

Contact Information:

email:

Office

Home

Cell