



NR 42 – ADVANCED WILDLAND FIRE TECHNOLOGY

Reedley College – Spring 2010
Lecture/Lab 12:00-3:50 F
Room FEM 7

Instructor: Jason Pinkerton
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Office Hours: W 1:00-3:00 and TH 12:00-1:00 other times by appointment
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Course Objectives:

This course prepares students for an overview of broad concepts within wildland fire management including: fire history, fire ecology, fuels management and inventory, incident command system, public relations, law enforcement concepts, fire investigation, leadership, and planning of fire suppression strategies. Certifications for National Wildland Fire Coordinating Group S-131, S-211, S-212, and I-200 will be offered.

This class also strives to develop physical skills and stamina that is necessary for arduous work. Fire line construction, fuels reduction, and chainsaw use will be a component of our lab exercises. Maintenance and use of hand tools and chainsaws will be incorporated as well as fire hose and nozzle experience.

Reedley College Policies:

To receive a grade for this course, students must complete all assigned work. Cheating or plagiarism will result in removal from the class result in an “F” grade. Foul language or disruption to the instruction will not be tolerated, you will be asked to leave the class. Safety rules must be strictly followed including the use of personal protective equipment and cautious behavior.

Successful completion of NR 5 – Wildland Fire Technology prior to registering for this course.

Essential Information:

- It is your responsibility to stay informed on any changes to assignment due dates, readings, etc. Missing a class doesn't excuse you from this responsibility (i.e. if a due date for an assignment changes, new assignments are given, etc.). This means you should ask a trustworthy classmate for notes if you are absent. Being absent is not an excuse for late work, late assignments, or just not knowing what is happening.
- It is the student's responsibility to officially withdraw from this and/or any course.

Failure to do may result in an “F” grade being awarded. As an instructor, I have the option to drop students who miss more than four class periods.

- Cheating and/or plagiarism will not be tolerated. No credit will be given for an assignment if in the opinion of the instructor the individual has cheated.
- “If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.”
- Please turn cellular phones and pagers off during class time (1 point will be deducted from your final grade for each cell phone ring). Sunflower seeds and all tobacco products are **NOT** permitted.

Text Books:

1. National wildfire coordinating group. 2003. Firefighter training, S-131, S-211, S-212, PMS 427, and I-200 National interagency fire center. Boise, ID. **This is a required text (all provided)** All textbooks are available as a packet at TK Books off campus.

Attendance:

The class will meet promptly at 1200 hours and conclude at 1550 hours each Friday unless otherwise specified by the instructor. It is the responsibility of the student to check on class meeting changes if a class session is missed. To be considered present students should be attentive, properly attired, and ready for classroom or field activities regardless of weather or other factors. Two tardies or early departures will count as one absence. Students will be dropped if two absences are accrued.

Participation in Laboratory Work:

Safety and success depend on every person’s full participation. In this class you will be practicing actual fireline work. For the safety of others, and yourself, you must perform tasks in a responsible manner. You must have your own safety equipment on in order to be allowed to participate in laboratories. You will receive no participation credit if you are not prepared for field tasks.

Your performance in the physical laboratory training is assessed for a grade. **If you cannot safely carry out the tasks for any reason, including a health condition, you should notify the instructor immediately.** Consideration will be given to modify the requirements on an individual basis.

**The last day to drop the class and avoid a “W” is January 29th
Last day to drop the class is March 12th. After this date a letter grade is assigned.**

Certification:

To receive a certificate of successful completion a student must pass all S-131, S-211, S-212, PMS 427, and I-200 unit exams with a satisfactory score (specified for each unit). A student may receive a passing grade in the class without qualifying for the certificate. However, some employees may require the certificate.

Grades:

Unit Examinations	40%
Final Exam	20%
Laboratory Skills and Participation	40%

The cumulative course grade will be based upon the following scale:

A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	59% or less

Required Equipment:

Each student must have the following items during each class in order to be allowed to participate:

Hardhat, Leather Gloves, Safety Glasses, Boots (minimum 8” high), Long Pants (no cuffs), Long Sleeve Cotton Work Shirt. **Details will be given during the first class meeting.**

* If Nomex clothing is issued to you, the following will apply:

Grades will be withheld and a \$98 replacement fee will be billed to the student if the clothing is not returned, clean, by the final exam day.

Tentative Schedule

<i>Date</i>	<i>Lecture/Lab Topic</i>
1/15	S-212 Intro, Safety requirements, Maintenance and Operation
1/22	S-212 Maintenance and Operation *
1/29	Assist with Natural Resources Competition, S-212 Tasks and Techniques*
2/5	S-212 Tasks and Techniques *
2/12	Lincoln Day (NO CLASS)
2/19	S-212 Field Exercise *
2/26	S-212 Field Exercise *
3/5	S-211 Portable pumps and water use – Pump & Engine Types, Pump Operator, Setup
3/12	PMS 427 Look Up, Look Down, Look Around (Online)
3/19	PMS 427 Look Up, Look Down, Look Around (Online)
3/26	S-211 Portable pumps and water use – Fittings, Hydraulics
4/2	Spring Recess (NO CLASS)
4/9	S-211 Portable pumps and water use – Pumping, Tactics
4/16	S-211 Portable pumps and water use – Hose Lays Field Exercise *
4/23	ICS-200 ICS for Single Resources and Initial Action Incidents (Online)
	<i>Sequoia Lake Field Trip (NR 110, 116)</i>
4/30	S-212 Wildland Fire Chain Saws – Field Exercise (Qualification)
5/7	S-131 – Firefighter Type I Training – Reference Material & Communication
5/14	S-131 – Firefighter Type I Training – Tactical Decision Making, Sand Table Exercise *
5/20	Wednesday 12:00 – 1:50 am Final Exam

***Safety Equipment is required on this day**