

## **NR-45 (58069)- Fuels Management**

### **Course syllabus for Spring 2019**

**6:00 pm- 7:50 pm Thursday(Room FEM7)(LEC.)**

**9:00 am- 11:50 am Friday (Room FEM 7)(Lab)**

### **Instructor: Robert Betancourt**

Office: FEM 10, phone (638-3641) ext.3275

Office Hours: Class hours and days

Email:[robert.betancourt@reedleycollege.edu](mailto:robert.betancourt@reedleycollege.edu)

Instructor is not available on campus except during class hours.  
Email is the best way to get ahold of instructor.

**Course Objectives:** This course is designed to provide an introduction to fuels management by providing an overview of the various methods of managing fuels including; mechanical,chemical,grazing,wildfire use and prescribed fire. We will define fuel types and sizes, cover the different inventory methods, look at the different fuel models, talk and discuss the different treatment methods with particular interest in the various burning methods that exist. We will discuss fuels treatment planning and provide a basic overview of the NEPA process, a segment on weather with particular regards to the fire behavior triangle, and safety especially as it applies to prescribed fire.

**Learning Outcomes:** Students will have a basic understanding of the various treatment options available to manage fuels and their desired outcomes, the various inventory methods, NFFL models, and how to produce and execute a burn plan. They will get a review of the Incident Command System and safety system as it relates to prescribed and resource benefit fires.

**Online** Portions of this class maybe online and would be announced by the instructor while blackboard will be used for disseminating information.

## **Reedley College Policies**

To receive a passing grade for this course, students must complete all assigned work. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

Foul language or disruption to the instruction will not be tolerated. There will be no tobacco use in any building or school farm. Safety rules must be strictly followed including the use of personal protective equipment (PPE) and cautious behavior. Cell phones are to remain off during classroom activities and can be checked during breaks which will occur about every hour.

## **Accommodations:**

“If you have a verified need for an academic accommodation or materials in alternate media(ie., Braille, large print, electronic text, etc.) per the Americans with Disability Act (ADA) or section 504 of the Rehabilitation Act, please contact me as soon as possible.”

## **Text Books**

Managing Sierra Nevada Forests, PSW, GTR-237

## **Laboratory Handouts**

National Wildfire Coordinating Group Student Manuals for S-190,  
Incident Response Pocket Guide (IRPG)

## **Laboratory Guidebooks on the Internet**

Hal Andersons, Aid to determine fuel models for estimating fire behavior. Natural Fuels Digital photo series, USDA, University of Washington.

## **Attendance and Participation**

To be considered present students should be in class, attentive, properly attired, and ready for classroom or field activities regardless of weather or other factors. Two tardies will count as one absence. Students may be dropped if four absences are accrued. Lab exercises may occur outdoors and field attire will be required.

## **Quizzes**

There will be three to five quizzes during the semester announced the week prior worth up to 50 points. Quizzes can be repeated no later than the second class meeting after the original date of the quiz. An appointment must be made with the instructor to make up or retake a quiz. If you miss a quiz and wish to make up a test there may be a 10% deduction of grade.

## **Drop Deadline**

The last day to drop a full-term class (in Person) is Feb 3

## **Final Exams**

The final exam for Fuels Management will be Thursday May 23rd at 6:00 pm and worth 100 points

## **Grades**

Cumulative course grade will be based upon the following:

A	90% - 100%
B	80 - 89
C	70 - 79
D	60 - 69

F 59 or less

## **Schedule Modifications and Important Dates**

### **Spring Semester 2019**

January 14..... Instruction Begins  
February 15.....Lincoln's Day Holiday  
April 15-19.....Spring Recess  
May 20-24.....Final Examinations  
May 24.....End of Spring Semester 2019