



## F430 – Forestry Field Practices 2017

Department of Forest and Rangeland Stewardship  
Warner College of Natural Resources

### COURSE SYLLABUS (subject to change)

	Instructor	Teaching Assistant
<b>Name:</b>	Kurt Mackes	Dan Beveridge
<b>Office:</b>	Office Number: NR 210	Office Number:
<b>Phone:</b>	Phone: 970-491-4066	Phone: 970-689-1281
		Email: <a href="mailto:daniel.beveridge@state.co.us">daniel.beveridge@state.co.us</a>
		Scout Ranch contact: Bob Sturtevant Robert.sturtevant@colostate.edu or 970-430-8651
<b>E-Mail:</b>	<a href="mailto:kurt.mackes@colostate.edu">kurt.mackes@colostate.edu</a>	Other teaching support: Jamie Schmidt Wade Bell
<b>Office Hours:</b>	10:00-11:00 a.m. T/R (Mackes)	Date and Time:

<b>Term:</b>	Spring 2017
<b>Class Meeting Days:</b>	Saturdays and some weekday evening sessions
<b>Class Meeting Hours:</b>	7:30 a.m. till 6:00 p.m. most Saturdays, other times as arranged
<b>Class Location:</b>	Varies
<b>Lab Location:</b>	Ben Delatour Scout Ranch
<b>Course Credits:</b>	3

#### Course Overview

Forestry field course, S212 saw certification, collect stand inventory data, develop and implement stand prescriptions, and harvest and process trees.

### **Course Objectives**

Provide students with the opportunity to use classroom knowledge to perform on-the-ground forest management. Students will learn how to:

- Apply forest inventory and management concepts learned in the classroom to conduct a forest restoration project
- Complete the process that a forest contractor will use to successfully conduct a timber extraction project and learn the difficulty in meeting contract specifications
- Interact with diverse stakeholders with varied land use objectives and values
- Complete certifications in First Aid/CPR
- Safely operate a chainsaw (S-212 wildfire powersaw training) and other timber harvesting and wood processing equipment
- Work with a group of peers to prescribe and implement a management plan

### **Course Prerequisites**

Prerequisite: F 330; F 421 (or instructor override permission). Additionally, students should have some background in forest inventory and tree identification and Basic Wildland Firefighting (S-130/190)

### **Required Texts and Materials**

S-212 Wildfire Powersaws – Student Workbook (PROVIDED)

Additional Class Materials:

- Information packet provided on the first day of class
- Each student group will be assigned a parcel of land to work on at the Ben Delatour Scout Ranch (BDSR) near Red Feather Lakes, Colorado

### **Supplementary (Optional) Texts and Materials**

Forester Field Handbook

### **Important Dates to Remember**

Important course dates and assignments are listed in the section below. All the dates and assignments are tentative, and can be changed at the discretion of the professors. You may also want to consult the CSU Academic Calendar for other important semester dates (such as course withdrawal deadlines):

<http://calendar.colostate.edu/academic.aspx>.

### Course Schedule and/or Schedule of Assignments

Expected Time	Task to Complete
Classroom/Field Session (8-10 hours) – 1-21-2017	Introduction, course outline and grading policy, and divide students into groups; <u>First Aid and CPR course</u> . Meet at the CSFS Foothills office at 7:30 a.m. (3843 Laporte Ave.). Bring a lunch!
Field Session (8-10 hours) – 1-28-2017	Travel to BDSR, tour previous management work & visit class work area. Cruise unit, compile stand information, identify and mark “leave” trees.
Evening Classroom Session <b>Wednesday- 2-1-2017</b>	S-212 wildfire power saw training, 127 Forestry <u>on campus</u> <b>5:30 - 8:30 p.m.</b>
S130/190 Field Session (8-10 hours) – 2-4-2017	Location TBD. Meet at the CSFS Foothills office at 7:30 a.m. (3843 Laporte Ave.) Bring a lunch!
Evening Classroom Session <b>Wednesday--2-8-2017</b>	S-212 wildfire power saw training, 127 Forestry <u>on campus</u> <b>5:30 - 8:30 p.m.</b>
Classroom & Field Session (8-10 hours) – 2-11-2017	S-212 wildfire power saw training, (at CSFS Foothills Offices, 3843 Laporte Ave.)-- <b>turn in landowner letter</b>
Field Session (8-10 hours) 2-18-2017	S-212 wildfire power saw training at BDSR
Field Session (8-10 hours) 2-25-2017	S-212 wildfire power saw training at BDSR, <b>turn in management plans</b>
Field Session (8-10 hours) 3-4-2017	Felling, bucking, and skidding trees – (also S212 back-up day)
3-11-2017	Spring Break – <i>off-- but potential weather back up days!</i>
3-18-2017	Spring Break – <i>off-- but potential weather back up day!</i>
Field Session (8-10 hours) Saturday 3-25-2017	Felling, bucking, and skidding trees – group AAR/safety briefing ( <i>maybe TREE FARM training and visit</i> )
Field Session (8-10 hours) Saturday 4-1-2017	Felling, bucking, and skidding trees, chipping slash material – group AAR/safety briefing
Field Session (8-10 hours) 4-8-2017	Volunteer Day (Details to follow)
Field Session (8-10 hours) 4-15-2017	Felling, bucking, and skidding trees, chipping slash material, process wood using portable sawmill

Field Session (8-10 hours) 4-22-2017	<b>Scout Forestry Field Day</b> Felling, bucking, and skidding trees, chipping slash material, process wood using portable sawmill
Field Session (8-10 hours) 4-29-2017	Final cleanup and evaluation of management work
Friday 5-5-2017	<b>Final Reports Due</b>
<i>Tentative Field Session</i> 5-6-2017	<i>Tentative final work day if needed for weather makeup!</i>
Classroom Session (1 hour) – TBA	Course review, discussion of class reports, and course evaluation

### **Project Assignments**

**Management Plan-** Using the provided template students will update and write a forest management plan for their unit. This plan will include detailed information regarding their forest inventory, management objectives, and management recommendations. See the template for specifics.

**Safety Briefing and After Action Review (AAR) -** Each group will provide a safety briefing (prior to work start) and an AAR (post work) on a scheduled date. Safety Briefings will include assigned topics. Use (Incident Response Pocket Guide) IRPG and class demonstrations as resources.

**Final Reports-** Students will compile a final group report including the following sections: Introduction, Unit Inventory and Stand Exam, Stand Prescription Development, S-130/190 & S-212 Power Saw Training, Field Sessions, Demonstration of Work Completed and Conclusion.

**Peer Evaluation-** Each student member will submit their own evaluation of each group/team member's performance, at various points throughout the course. (part of final report)

**Brief Reflections-** Short reflective writing assignments may be used throughout the semester to allow for some self-reflection related to field activities/guest speakers/field trips.

### **Basis for Final Grade**

Grading Scale-

90-100%	=	A
80-89.9%	=	B
70-79.9%	=	C
60-69.9%	=	D
<60%	=	F

### **Methods of Student Evaluation**

Grades will be based on CPR and First Aid course, S-130, S-190 and S-212 certification quizzes and exams, field participation and proficiency, management plans, the final report and peer evaluations. These will be weighted as follows:

- CPR and First Aid, S-212 certification quizzes, exams, Youth Protection Training (**20 percent**)
- Field participation and proficiency; AAR and safety briefings (**40 percent**)
- Landowner letter assignment; additional reflections (**15 percent**)
- First and final draft management plans; and final report & peer evaluations (**25 percent**)

Student field participation and proficiency will be evaluated in the following areas:

- Stand inventory/data collection
- Stand prescription development – GPS mapping
- Stand prescription development – Tree marking
- Chainsaw operation
- Felling, limbing and bucking technique
- Skidding
- Sawmill operation
- Work ethic and attitude
- Teamwork
- Safety and first aid
- Equipment handling
- Attendance (weighted x2)

Students will be rated in each area on a scale of 5:

- 1 – Poor
- 2 – Fair
- 3 - Adequate
- 4 – Good
- 5 – Excellent

### **Course Policies**

#### **Late Work Policy:**

Late assignments will be assessed a penalty determined by instructors.

#### **Extra Credit Policy:**

Extra credit opportunities may be offered at the discretion of the instructors.

#### **Grades of "Incomplete":**

Per university policy, an instructor may assign temporary grade of Incomplete to a student who demonstrates that he or she could not complete the requirements of the course due to circumstances beyond the student's control and not reasonably foreseeable. A student must be passing a course at the time that an Incomplete is requested unless the instructor determines that there are extenuating circumstances to assign an Incomplete to a student who is not passing the course. When an instructor assigns an Incomplete, he or she shall specify in writing using the Department Incomplete Grade Form the requirements the student shall fulfill to complete the course as well as the reasons for granting an Incomplete when the student is not passing the course. The instructor shall retain a copy of

this statement in his or her grade records and provide copies to the student and the department head or his or her designee. (Section I.6 of the *Academic Faculty and Administrative Professional Manual*)

**Disability Access:**

Colorado State University is committed to providing reasonable accommodations for all persons with disabilities. Students with disabilities who need accommodations must first contact Resources for Disabled Students before requesting accommodations from the professor. Resources for Disabled Students (RDS; <http://rds.colostate.edu/home>) is located in room 100 of the General Services Building. Their phone is (970) 491-6385 (V/TDD). Students who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations.

**Attendance Policy:**

Class participation is mandatory. Students will be docked for any unexcused absence that result in non-participation; multiple absences may result in a failing grade. Excused absences must be cleared by instructors well in advance. Both attendance and participation will contribute to your overall grade.

**Religious Accommodation:**

Participation in official University activities, e.g., an out-of-town athletic event, or special religious observances may provide a legitimate reason for an excused absence. The student is responsible for discussing this with the instructor at the beginning of the semester.

**Inclusive Excellence:**

Inclusive Excellence recognizes that our institutional success is dependent on how well it welcomes, values, and affirms, all members of the Colorado State community. Only through the inclusion of the rich diversity of students, staff, faculty, administrators, and alumni, can we truly be excellent in our pursuits. Achieving Inclusive Excellence is a long-term commitment and must have a comprehensive broad approach, embedding appreciation of all members and inclusion best practices into the very fabric of Colorado State's organizational culture. Learn more at <http://diversity.colostate.edu/inclusive-excellence/>.

**Final Exam Policy:**

There will be a Final Report (not a final examination).

**Professionalism Policy:**

Per university policy and classroom etiquette; mobile phones, iPods, *etc.* **must be silenced** during all classroom and lab lectures. Those not heeding this rule will be asked to leave the classroom/lab immediately so as to not disrupt the learning environment. Please arrive on time for all class meetings. Students who habitually disturb the class by talking, arriving late, *etc.*, and have been warned may suffer a reduction in their final class grade. When emailing the instructor or TA, please include your full name and the course number in your email (also your CSU ID if appropriate).

**Academic Integrity:**

The Department of Forest and Rangeland Stewardship takes academic integrity seriously. At minimum, academic integrity means that no one will use another's work as their own. The CSU writing center defines plagiarism this way:

Plagiarism is the unauthorized or unacknowledged use of another person's academic or scholarly work. Done on purpose, it is cheating. Done accidentally, it is no less serious. Regardless of how it occurs, plagiarism is a theft of intellectual property and a violation of an ironclad rule demanding "credit be given where credit is due."

Source: (Writing Guides: Understanding Plagiarism.

<http://writing.colostate.edu/guides/researchsources/understandingplagiarism/plagiarismoverview.cfm>.

Accessed, May 25, 2012)

If you plagiarize in your work you could lose credit for the plagiarized work, fail the assignment, or fail the course. Each instance of plagiarism, classroom cheating, and other types of academic dishonesty will be addressed according to the principles published in the CSU General Catalog (see page seven, column two: <http://www.catalog.colostate.edu/FrontPDF/1.6POLICIES1112f.pdf>).

Of course, academic integrity means more than just avoiding plagiarism. It also involves doing your own reading and studying. It includes regular class attendance, careful consideration of all class materials, and engagement with the class and your fellow students. Academic integrity lies at the core of our common goal: to create an intellectually honest and rigorous community. Because academic integrity, and the personal and social integrity of which academic integrity is an integral part, is so central to our mission as students, teachers, scholars, and citizens, we will ask to you sign the CSU Honor Pledge as part of completing all of our major assignments. While you will not be required to sign the honor pledge, we will ask each of you to write and sign the following statement on your papers and exams:

***"I have not given, received, or used any unauthorized assistance."***