

Forestry Perspectives

FOR 111 (CRN: 11140) 4 Credits
Winter 2018

Instructor: Dr. Rebecca Franklin
Office: Cascades Hall 207

Lecture: Tuesday + Thursday
Location: CAS 201
Time: 11:00 am – 12:30 pm

Office hours: Wednesday 1:00 – 3:30 pm
Thursday 1:00 – 3:30 pm
(or by appointment)

Lab: Feb 22 – 25, 2019
Location: Field sites, west side Cascades
Time: Leave at 7:00 am sharp!

Email: rfranklin@cocc.edu
Phone: 541-330-4378

Final: Thursday, March 21st 10:15 – 12:15

Required text: Introduction to Forests and Renewable Resources by Hendee, Dawson and Sharpe, Eighth Edition, Waveland Press, Inc.
10-digit ISBN: 1-57766-746-8; 13-digit ISBN: 978-1-57766-746-9

Required gear: *These are all items you will need for this and subsequent forestry classes*
✓ Hardhat ✓ Clipboard ✓ Protective eyewear ✓ Field clothes

Course description: An introduction to the entire discipline of forestry, including the history of forest use and management, North American forest regions, forest ecology, mensuration and management, forest products, and the importance of forest resources other than wood fiber.

Grade Structure:	<u>Item:</u>	<u>Quantity:</u>	<u>Points Ea.:</u>	<u>Total:</u>
	Professionalism/attendance	1	100	100
	Article reviews:	2	20	40
	Midterm	1	100	100
	Field trip participation	1	100	100
	Field trip report	1	100	100
	Final Class Assignment	1	40	40
	Final	1	100	100
	Quizzes (lowest dropped)	10	10	90

~670 points

Grading standards:	<u>Letter Grade:</u>	<u>Percentage of total points:</u>
	A	100 – 92
	A-	91 – 89
	B+	88 – 87
	B	86 – 81
	B-	80 – 79
	C+	78 – 77
	C	76 – 70
	D	69 – 60

PREPAREDNESS AND POLICIES → Read this thoroughly!

- 1. Many labs will occur outdoors** – being appropriately prepared for lab is an expectation. This means being adequately dressed for the conditions, and having any required equipment indicated by the instructor. Required field clothes for this course include long pants, closed-toe shoes, and hardhat. **Cold, wet, snowy weather can occur during labs throughout the ENTIRE duration of this class –be prepared!**
- 2. Attendance and missing labs and quizzes:** Effective learning in this course is heavily dependent on your presence in class. You are expected to attend both lab and lecture. Excessive absenteeism WILL affect your grade. If you miss class, it is your responsibility to notify me in person or by phone message and to make arrangements to make up lab work or assignments missed due to an absence (in some cases of emergency this may not be possible). If you are going to miss an exam I need to know about it in advance even if it is the day of the exam. Leave a message! Important because **there will be NO MAKE UP EXAMS without prior notice!**
- 3. Final Exam:** The date, time and location of your final exam is printed here in the syllabus. You will be made aware of this information on the first day of class, which gives you 2 ½ months advance notice as to when and where the final will be taking place. Exam time is not something that is subject to negotiation to fit student’s convenience or personal plans. Exam times will be changed only for serious and compelling reasons, by petition and consent of instructor and department chair. **NOTE: seasonal jobs which begin before the end of finals week, or specialized training provided by agencies which occurs during finals week, does not constitute a serious and compelling reason. Discuss these conditions with your employer prior to accepting a job or agreeing to attend training.**
- 4. Learning Environment Behavior: Sexual harassment** in any form is not tolerated by COCC – refer to the posting on the Ponderosa bulletin board for definitions and assistance with sexual harassment complaints. **Professionalism:** students are expected to behave professionally at all times during class, extending all courtesies and considerations expected in a public forum. Breaches of professional conduct will affect your grade. This includes the use of vulgar language, any form of harassment or disruption of classmates, and the use of **cell phones** in the classroom. Failure to prevent your cell phone from ringing, vibrating, beeping, or otherwise disrupting the class will affect your professionalism grade. **First offense:** warning. **Second offense:** loss of points. **Third offense:** loss of full letter grade, or removal from the course. If you have questions regarding this policy or would like further clarification, please do not hesitate to see me.
- 5. Tobacco use: Tobacco use of any kind** is not permitted in COCC buildings, in the vans, or during field labs. If you cannot refrain from smoking or chewing during class, you will be asked to leave. **Violations of the tobacco policy will be treated under the professionalism policy spelled out above.**
- 6. ADA Statement:** Students with documented disabilities who may need accommodations, who have any emergency medical information the instructor should know of, or who need special arrangements in the event of evacuation, should make an appointment with the instructor as early as possible, no later than the first week of the term. Students any also wish to contact the COCC Disabilities Services Office in Boyle Education Center, Anne Walker awalker@cocc.edu, 541- 383-7743.
- 7. Insurance Statement:** Students are not covered by medical insurance while on campus or involved in college classes and activities. Students are responsible for their own medical and dental insurance coverage. Information on student insurance coverage can be obtained at the student health center in Grandview or at the cashier in the Boyle Education Center. If you have specific questions or concerns regarding student insurance coverage you should discuss them with the Instructor.
- 8. Plagiarism Statement:** All students are expected to practice the highest standards of academic honesty. Cheating on assignments, quizzes or exams or plagiarizing other people’s work is unacceptable and may lead to a failing grade. Plagiarism is using, borrowing or stealing someone else’s words or ideas without giving appropriate credit to the original author. This includes copying definitions and sentences from textbooks, other student’s papers, the Internet or any other source. Students are expected to complete all assignments independently, unless it is a designated group project.
- 9. Physical Contact:** Due to the nature of this course, students are advised that physical contact between the instructor and student, or student to student may occur during class and lab. If you have concerns about these requirements, you are encouraged to discuss these with the instructor prior to the next class session to determine if appropriate alternative assignments exist. If you do not think you will be able to participate to the extent required by the course, you are encouraged to drop the course within the appropriate deadlines in order to obtain a refund.
- 10. Civil Rights:** COCC is an affirmative action, equal opportunity institution. Beth Wickham bwickham@cocc.edu 383-7290.

		TUESDAY	THURSDAY
Wk1 01/08 + 01/10	Prep:	Read Ch1: Historical Uses/Future Values	Do Preview 1 by Friday
	Topic:	Course overview, Forest Collaborative processes	Gifford Pinchot and John Muir, The Wilderness Idea: video and discussion
Wk 2 01/15 + 01/17	Prep:	Preview 2 Read Ch 2: Forests/Renewable Res. Policy Bring textbook	Read Ch 4: Forest Ecology (optional: bring your own tree identification books)
	Topic:	History of forestry in US, matching game	Forest Ecology, tree identification
Wk 3 01/22 + 01/24	Prep:	Preview 3 Read Ch 3: Dist'bn of N Amer. Forests Bring textbook	Ch 17: Res. Mngmt by the Feds, Ch 18: For. Mngmt by States Bring textbook Article review #1 due
	Topic:	Forest types of North America: class activity	Federal + State agency organization: class activity.
Wk 4 01/29 + 01/31	Prep:	Preview 4 Read Ch 16: Measuring Forests + Resources	Section Test #1
	Topic:	Mensuration: forest measurements	Study for Test
Wk 5 02/05 + 02/07	Prep:	Preview 5 Read Fire + Dendrochronology PDFs on Bb	Read Ch 8: Fire Management
	Topic:	Fire ecology, dendrochronology, Oregon fire history	Fire Management Guest: Tom Andrade
Wk 6 02/12 + 02/14	Prep:	Preview 6-a Read Ch 5: Silviculture + For. Ecosyst Mngmt	Preview 6-b Read Ch 13: Harvesting Trees
	Topic:	Silviculture Methods	Timber Harvesting Guest: Ross Scrocca, USFS representative
Wk 7 02/19 + 02/21	Prep:	Preview 7 Read: case-study handouts + Ch 10: Watersheds + Streams Article review #2 due	Preview 8 Read Ch 14: Forest Products
	Topic:	Riparian case study discussion	Forest products Guest: Bret Michalski
Wk 8 02/26 + 02/28	Prep:	Read Ch 9: Wildlife Cons + Mngmt	Section Test #2
	Topic:	Fish + Wildlife Guest: Bret Michalski, wildlife biologist	Study for Test
Wk 9 03/05 + 03/07	Prep:	Preview 9 Read Ch 6: Insects + Ch 7: Disease Field trip report due	Preview 10 Read PDF on Forest Collaboratives
	Topic:	Forest insects Guest: Rob Flowers, USFS entomologist	Vernita Ediger, Central Oregon Intergovernmental Council
Wk10 03/12 + 03/14	Prep:	Read Handouts on Bb in prep for assignment discussion Prepare talking points from your Assignment	Review study guide!
	Topic:	YOUR future: Management Challenges Discussion Management Challenges Assignment due	CUMULATIVE FINAL EXAM REVIEW SESSION
Finals Week	Cumulative FINAL EXAM: Thursday, Mar 21 st , 10:15 – 12:15		

**Pack for field trip:
Friday FEB 22 –
Monday FEB 25**

* All reading are from Introduction to Forests and Renewable Resources by Hendee, Dawson and Sharpe, 8th Edition, Waveland Press, Inc unless otherwise noted. Other readings will be posted on Bb, handed out, or on reserve at Barber Library.

FOR 111 Instructional Outcomes:

1. The student will be able to describe past and present uses of the forest.
2. The student will be able to distinguish between conservation, preservation, and environmentalism.
3. The student will be able to describe forest regions of the United States.
4. The student will be able to compare and contrast the influences of Gifford Pinchot & John Muir.
5. The student will be able to describe Forest Service organization.
6. The student will be able to describe the Oregon Dept. of Forestry organization.
7. The student will be able to read and prepare abstracts from resource management journals.
8. The student will be able to list examples of the work of a forester.
9. The student will be able to describe various forest resources and their management issues.
10. The student will be able to use vocabulary related to forest management and practice.
11. The student will be able to gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions;
12. The student will be able to apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner;
13. The student will be able to assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

I know you have a lot on your plate right now... Sometimes the road at college can get a little bumpy –life happens! Each of you has the opportunity to take advantage of free counselling through the CAP center in the library (541-382-7200). I know many students who have taken advantage of it as the need arises and have found it quite helpful.

CLASS AND LAB ASSIGNMENTS

1. Weekly Online Quizzes

You will do brief weekly quizzes to prepare you for what we cover in class each week. The quizzes will cover material from the readings (textbook or posted readings on Blackboard) Quizzes will be posted a week in advance –complete these by Monday morning before class so you know the material for the current week!

2. Field Trip Report

The field trip report will constitute ~20% of your grade. It entails collecting information or data during all of our different field trip stops and then presenting that information in a concise but thorough report that gives the reader (me) a clear understanding of what you accomplished and learned. An outline/rubric for this report will be posted/distributed before the field trip.

3. Article reviews

The Article Review assignment is to give you experience **reading** and **interpreting** peer-reviewed articles in science journals.

Select a peer-reviewed science article from the list below, or from online journals accessed through the Barber Library. Articles should be from within the last 5 years.

Read the article. Abstract, Introduction, Results, Conclusions, and Discussions are all separate sections of the article that will give you specific information on how to complete the five sections of this assignment. When you are ready to complete this assignment, answer the following five sections. Be concise with your explanation to each part. There are no maximum or minimum word counts for each section; just thoroughly address each section. Your article review must be typed, double-spaced, and in 11-12-point font with a heading including your name, date, course number (i.e. FOR111), and assignment name. Include the following 5 sections as subheadings:

Section 1: Provide a reference for the article. Here is an example of the correct format for a journal article:

Hendee, J.C., and Randall, P. 1997. The growth of Environmental and Conservation-Related Organizations. *Renewable Natural Resources Journal*. Vol 10(2): pp. 6 – 19.

Section 2: What is the question that this article is trying to answer? The Abstract and Introduction will help with this question.

Section 3: How did the authors go about trying to answer their question? Methods, or Methodology will help answer this question.

Section 4: What did the authors find? What were their results and conclusion? Results and Conclusions are sections that will help you answer this question.

Section 5: What are the implications of this article: what does it mean for forestry (or wildlife or recreation etc)? Or, how will this research affect management in the area of study addressed in this article? You can also include any thoughts or impressions you had about the research, quality of the work, etc in this part.

List of possible journals (other may be appropriate, check with me if you are unsure)

American Forests	National Wildlife	Western Journal of Applied Forestry
Wood Technology	Journal of Forest History	Journal of Wildlife Management
Journal of Forestry	Wildlife Society Bulletin	Renewable Natural Resource Journal
Canadian Journal of Forestry	Parks and Recreation	Ecology
Forest Science	Journal of Range Management	Science

Article reviews are due before class on the dates indicated on your class schedule. Late assignments will not be accepted!

CLASS AND LAB ASSIGNMENTS, continued

4. Lecture prep “pop questions”:

For class each week you have some sort of preparation for that week’s activities. **The prep is printed on your class schedule for most lectures and labs. Check them each week!** I will call on students and ask you questions - **collegiality/attendance points are based on these questions!** This will be instead of “taking roll” and helps you get more out of the class and succeed on the midterm and final exam. So keep your answers to these questions with your class notes and use them for studying later.

5. Vocabulary words

The following is a list of vocabulary words to study and know for lab and lecture. You may see these words on your midterm and final exams!

Animal unit month	Integrated pest management
Biodiversity	Live knot
Biological control	Lumber
Board foot	Old-growth
Browse	Plywood
Conk	Pulp
Continuous forest inventory	Prescribed fire
Cruising	Rangeland
Cubic foot	Riparian
DBH	Scaling
Dead knot	Second growth
Ecosystem	Special forest products
Ecosystem management	Stratification
Environmental impact statement	Veneer

CENTRAL OREGON COMMUNITY COLLEGE CONSENT AND LIABILITY WAIVER

PART A

Revised 6/26/09

Term _____ Year _____

The undersigned student (PART A) and/or parent/guardian (PART B) do hereby consent to and grant permission for (name of student) who desires to participate in field trips during _____ (name of course) which the student is enrolled in with CENTRAL OREGON COMMUNITY COLLEGE ("COCC").

Student participation in the field trip may require a low to moderate level of physical exertion on their part and may involve inherent risk of physical injury as well as possible damage to personal property. By signing this consent and liability waiver, student and/or parent/guardian acknowledges these potential risks.

In consideration of allowing the above-named student to participate in said activity, the student and/or parent/guardian does hereby release and discharge COCC, its employees, agents, officers, and directors for any and all claims, demands, causes of action, damage, loss of services, costs and expenses in any way resulting from any and all injury to person or property arising directly or indirectly out of the student's participation in the above activity.

Further, the student and/or parent/guardian agrees to indemnify and hold forever harmless COCC, its employees, agents, officers and directors from any and all injuries, damages, costs, attorney's fees whatsoever which may arise out of the student's participation in the above activity.

The student and/or parent/guardian further consents and authorizes the representatives of COCC, on the student and/or parent/guardian's behalf, to obtain any necessary medical treatment or hospitalization or such other care necessary for the health and welfare of the named student, and the student and/or parent/guardian agrees to be responsible for and pay the costs of such medical treatment or hospitalization. **If there is any medical information that COCC needs to know to assist in obtaining the necessary care, it is the student's and/or his/her parent/guardian's responsibility to disclose this information to the instructor of the course prior to the first field trip.**

This release of liability and indemnification agreement shall be binding on the heirs, successors and personal representatives of the student and/or parent/guardian.

I have read the foregoing release of liability and the indemnification agreement and acknowledge that the provisions are contractual and not a mere recital, and I understand I am bound by the terms hereof by placing my signature hereon.

Student Signature

DATE: _____

Printed student name

Students under the age of 18 must have his/her parent or guardian read and sign Part B on the reverse side of this form.

CENTRAL OREGON COMMUNITY COLLEGE FIELD TRIP PERMISSION and MEDICAL RELEASE FORM**PART B****(FOR STUDENTS UNDER THE AGE OF 18 ONLY)**

Revised 6/26/09

Term _____ Year _____

_____ (class), a course in which _____ (student's name) is registered, includes field trips. Registered students under the age of 18 must submit this completed form prior to the commencement of the first field trip in order to participate.

The student's parent or legal guardian must complete the remainder of the form.

Name of parent or guardian: _____

Relationship to student: _____

Home Phone: Cell Phone: _____

Name of business and phone number: _____

Name, location, and phone number of student's doctor: _____

I give permission for my child to participate in field trips related to the class listed above.

I have read the foregoing release of liability and the indemnification agreement (PART A on the reverse side of this form) and acknowledge that the provisions are contractual and not a mere recital and I understand I am bound by the terms hereof by placing my signature hereon.

In the event of an apparent or real emergency, in which medical treatment or hospitalization of my child may be necessary, after effort to contact me at the telephone numbers above, the undersigned parent or guardian does hereby authorize and appoint COCC, through its agents, to obtain any medical treatment or hospitalization of the above named child as they believe necessary and proper for the immediate care and welfare of said child. I do further authorize and direct any medical doctor or hospital to render any and all treatment believed necessary and proper for the immediate care and welfare of the above named child and the undersigned agrees to pay for such medical treatment and expenses incurred on behalf of such child and shall hold COCC harmless from any and all liability, claims, judgments, and costs incurred in or as a result of any such medical treatment or hospitalization.

Parent or guardian signature: _____ Date: _____

Parent or guardian printed name: _____

NOTES:

1. Students who are emancipated minors must submit documentation stating such.
2. It is the student's responsibility to submit this form to the instructor prior to the field trip.
3. It is the instructor's responsibility to carry this form during the field trip.