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Spring 2-1-2021

FORS 481.R01: Forest Planning

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FORS 481.01 Forest Planning Spring 2021

1. Instructor and course details

Instructor: Beth Dodson
Email: Elizabeth.dodson@umontana.edu
Office Hours: T/Th 9-10 am, by appointment
Class Times: M/W 4:00-5:20 PM
Class zoom link:

Required Text: *Ecological Forest Management* by JF Franklin, KN Johnson, and DL Johnson

Prerequisites: FORS 320 Forest Economics
FORS 349 Practice of Silviculture or FORS 347 Multiple Resource Silviculture

2. Course Description

Integrated multiple use planning at the forest-wide level: defining multi-resource management goals, generating management alternatives, projecting outcomes, assessing environmental impacts, and implementing preferred option.

3. Learning Outcomes

- Assess the planning processes used by a range of forest land owners, managers, and stakeholders and compare the role of foresters in each.
- Understand the impact of temporal and spatial scale on forest planning efforts.
- Develop written and oral communication skills through research into a chosen forest planning effort.

4. Course Policies

- All assignments are due at the BEGINNING of class unless otherwise specified. Late assignments will lose 10% of the potential points per day late.
- All work must be neat, legible and complete.
- All work will be submitted on-line through the class Moodle unless otherwise specified. Graded assignments will also be returned electronically.
- While you are allowed to work with fellow students on individual assignments, all submitted assignments must represent your own individual work.
- All course communication (announcements, assignments, schedule with due dates) will be posted on the course Moodle, available through the UMontana home page. The course Moodle can be accessed from any computer with internet access.
- The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). If you think you may have a disability adversely affecting your academic performance, and you have not already registered with DSS, please contact DSS in Lommasson 154 or 406.243.2243. We will work with you and DSS to provide an appropriate modification.
- All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University.

- All students need to be familiar with the Student Conduct Code. The Code is available for review online at [Student Conduct Code](#).

Important dates:

Date	Description
2/1/2020	Last day to drop with advisor & instructor signatures (W will appear on transcript).
3/18/2020	Last day to drop a course. Drops after this date will be allowed only <i>under very limited and unusual circumstances</i> . Not doing well in the class, deciding you are concerned about how the class grade might affect your GPA, deciding you did not want to take the class after all, or deciding you want to change majors are not among those limited and unusual circumstances. If you want to drop a class for these sorts of reasons, make sure you do so before 5 pm on March 28.

5. Grading

Please note, this class is offered for traditional letter grade only, it is not offered under the credit/no credit option.

Grades will be based on individual work assigned during the semester and active participation in class sessions. Grades will be based on points received out of points possible. The standard +/- grading scale will be used. All efforts will be made to return graded work within one week of when it is turned in. Posted grades will be updated continuously.

<u>Assignment</u>	<u>Percent of final course grade</u>
Weekly assignments	50%
Final project	25%
Participation	25%

6. Assignments

Weekly assignments will be posted by 9 am each Thursday (including on “student rest days”) with responses due by class on Wednesday the following week. These weekly assignments will ask you to apply the reading and guest presentations to a forest planning effort of your choosing through a series of questions and activities. These assignments will include a combination of short answers, essays, and class presentations throughout the semester. Each student will select one forest planning effort to focus on for the semester.

Final project will include a research paper graded for content and writing quality and a presentation to be given during the final exam period, also on the selected plan (same as weekly assignments).

Participation is expected of all students during class sessions, including small group and class discussions, responding to polls, and giving presentations in response to weekly assignments (when appropriate).

7. Schedule (will be updated on Moodle as needed)

Date	Reading	Topic/Speaker
11-Jan		Course introduction
13-Jan		Paul McKenzie, FH Stoltze Land and Lumber
1/18 No class		
20-Jan	Ch. 1 – Sustaining forests and their benefits	
25-Jan	Ch. 2 – Understanding forests as ecosystems	Steve Kloetzel, TNC
27-Jan	Ch. 3 – Forest dynamics: disturbances, developmental stages, and forest archetypes	Paul Davis, Weyerhaeuser (retired)
1-Feb	Ch. 4 – Silvicultural principles for ecological forestry	Jodi Welzstein, BLM
3-Feb	Ch. 5 – Larger spatial-scale concerns: landscapes and regions	
8-Feb	Ch. 6 – Economic, social, and political drivers of forestry	Todd Morgan, Steve Hayes, and Mike Niccolucci, BBER
10-Feb		Ray Berthaiume, Harvest Planning & Operations Mgr., Wagner Forest Management, Ltd.
2/15 No class		
17-Feb		Jason Parke, Scott Eggeman, FWP
22-Feb	Ch. 7 – Legal frameworks for forestry	
24-Feb	Ch. 8 – Resolving forestry conflicts through collaboration	Tim Love, Forest Collaboration Network
1-Mar	Ch. 9 – Capital, income, and sustainability	
3-Mar	Ch. 10 – The economic value of forests	Jordan Larson, USFS R1 economist
8-Mar	Ch. 11 – Adaptive management: achieving resilience in the face of change and uncertainty	Derik Churchill, WA-DNR
10-Mar	Ch. 12 – Forests on fire: nature’s thermal creativity	Tony Harwood, CS&KT Forester, Tribal Forest Planning
15-Mar	Ch. 13 – The fire next time: strategies for fire and fuels management	Cindy Super, Blackfoot Challenge
17-Mar	Ch. 14 – Conserving and restoring biological diversity	
22-Mar		Jenn Harington, Tribal Consultation
24-Mar		Chris Johnson, USFS Fire Management Planning
29-Mar	Ch. 15 – Climate change, carbon, and forests	Chris Keyes, UM FCFC
31-Mar	Ch. 16 – Forest certification	Brian Sugden, AFM
5-Apr	Ch. 17 – Classical forest regulation: its relevance to ecological forestry	Noelle Arena, Weyerhaeuser

7-Apr	Ch. 18 – Making decisions: naturalistic and structured approaches	Melanie Colavito, ERI, NAU
12-Apr	Ch. 19 – Forest planning under ecological forestry	Wyatt Framton, DNRC, Montana Forest Action Plan
14-Apr	Ch. 20 – The greatest good: planning the future of US national forests	
19-Apr	Ch. 21 – Potential contributions of ecological forest management	Jenny Tollifson, Five Valleys Land Trust
21-Apr		course review
4/28, 3:20-5:20 FINAL EXAM PERIOD		