

FORESTRY 436 Managing Non-industrial Private Forests Spring 2020

Instructor: Dr. Demchik (CNR 246; mdemchik@uwsp.edu): M 2:00-3:00, T 2:00-4:00; open door policy

Class Time: Sec 1 MoTu 1:00PM - 1:50PM
Sec 2 MoTu 4:00PM - 4:50PM

Course Description

Non-industrial private forest landowners own 59 percent of America woodlands and 57 percent of Wisconsin's woodlands. They account for a majority of the wood that is harvested which supplies America's forest products industry. This course is designed to introduce students to the skills necessary for agency, industry, and private enterprise foresters to work with family forest landowners.

Text

No textbook. We will use PDF's of papers and the WI DNR Silviculture and Forest Aesthetics Handbook.

Overall Plan

I want this class to be as interactive as possible. This will be a heavily activity-based class, meaning if you don't prepare and participate, it will fail as a class.

Course Objectives

1. Demonstrate listening skills that allow a forester to combine a landowner's vague goals with the basic biology of the forest on their property to create a stand prescription.
2. Demonstrate effective communication with NIPF's that include:
 - a. Business letters
 - b. Emails
 - c. Phone calls
3. Describe factors that motivate Family Forest landowners to own and manage woodland properties.
4. Prepare an MFL plan and present the planned activities to a class
5. Demonstrate some basic forestry skills

Assignments

Field Trip

You have a required field trip (or alternative activity, a research paper) where you will see a sawlog mill and a bolt mill, a managed and unmanaged forest and other things. This field trip is March 10 (8:00AM to 5:00PM). This class is scheduled on this day and time to avoid as many course conflicts as possible. With that said, you are REQUIRED to ask any other instructors POLITELY if you may attend this field trip. If they say no (i.e. that they will not allow you to miss class), then, I have an alternative activity for you to allow you to gain the same content in a different way. You can prepare a 6-page paper detailing how a hardwood log in the Lake States goes from being a vertical tree (with orange paint) to a S4S board. You will need to discuss the impacts of log grade on lumber grade and resulting sale value. This will be graded in the same way as the reflection paper for the trip is graded.

Field Trip Paper

You will write a two page (ish) paper after the field trip that summarizes what you saw during the trip (half a page) and details anything important that you took out of the trip (the rest of the paper). This is due March 24.

MFL Plan

You will prepare a MFL plan in your group from data that I give you. MFL plan preparation will be a topic of one lecture. Sunday March 1 is the class site visit for this inventory. This is the same site being used for the Marking for Wildlife Class. You can possibly visit this site outside of class, if this time does not work. One student from each group should attend this inventory (it will be hard to write the plan otherwise). April 6 is MFL Plan due date. This includes a detailed stand map.

Management Plan Presentation

This will be done in groups and will occur halfway through the semester.

Business Communications

You will be given specific assignments that will require you to prepare:

- A business letter that is a bid to prepare an MFL plan (a cold letter)
- Emails to an existing client that are responding to specific questions
- A phone call that targets various issues. This will actually be carried out in-class and critiqued by your classmates. I will provide specifics for this (as I am changing it up a bit from last year).
 - A logger who is grumbling about a specific job you set up
 - A landowner that is questioning you about your MFL plan
 - A DNR forester that is questioning your marking on a site

Deed Reading

We will have a discussion where you read several types of deeds and figure out who needs to sign agreements (i.e. MFL), what they actually own, etc.

Cost Estimation

- Develop a cost estimate for what it would cost you to prepare an MFL plan. Include planning time, field time, plan preparation and followup. Include a percent estimate for insurance etc. Compare to the estimated rate per acre that the DNR uses. From this, develop a MFL bid protocol for a small business.
- Develop a cost estimate to mark a 40 acre northern hardwood stand

Discussions

Each of these activities will come with a quiz right before the discussion starts

1. Choosing What to Believe About Forests....
2. Family Forest Owners: An In-depth Profile (Pages 7-17)
SFFI Tele Segment Comparison Chart
3. Family Forest Owners: Insights (Pages 16-24)
4. Consulting Forester's View
5. Understanding and Reaching Family Forest Owners
Identifying Appropriate Communication Means...
6. The Effects of Forest Regeneration

Grades

MFL Plan	20%
Management Presentation	20%
Communications	20%
Cost Estimation	10%
Quizzes and Discussions	20%
Field Trip Paper	10%

Note: There are NO exams in this class. The final exam time will be a forestry program reflection activity (and possible field trip...I am still working on that), you are required to attend and points come out of the "Quizzes and Discussions" grade if you are absent.

Please view the schedule below as TENTATIVE...there are a lot of things going on during this semester.

WEEK	Monday	Tuesday
Jan 20, 21	School not in session yet	Class intro, discussion of syllabus and Initial MFL Planning Meeting
Jan 27, 28	General NIPF	Class Canceled (I am at a Log Quality Training)
Feb 3, 4	The MFL Program and how to do plans Signup for who will do inventory	ACL GIS Prep for MFL Plan Sampling Plan
Feb 10, 11	Discussion 1	Estate Planning (a lawyer will be speaking)... This is still in the works timewsie
Feb 17, 18	Incentive Programs	General NIPF
Feb 24, 25	Discussion 2	Class Canceled (I am presenting at Ruffed Grouse Symposium)
Mar 2, 3	How to process stand inventory (because Mar 1 we collected data)	Deed Reading
Mar 9, 10	Cost Estimation	ALL DAY FIELD TRIP
Mar 16, 17		Spring Break
Mar 23, 24	Steps in a timber sale and scaling/thinning	Discussion 3
Mar 30, 31	MFL Presentation	MFL Presentation
Apr 6, 7	(Note: MFL Plan is Due Today) BUFFER	Buffer
Apr 13, 14	Discussion 4	Ethics
Apr 20, 21	Phone call activity	Phone call activity
Apr 27, 28	Discussion 5	Apps for Forestry/GPS/GIS etc.
May 4, 5	Discussion 6	Reflection Session