

**WILD 5700 Forest Assessment and Management (3)
Spring 2016**

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NR 326
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Description:

Detailed analysis of forest stand structure and growth. Development of silvicultural prescriptions to meet specific objectives. Analysis of costs and benefits of alternative management strategies. Emphasizes forest management to achieve a broad range of objectives (3 cr) (Sp).

Background and Objectives:

You will apply a range of skills and tools in a hands-on approach to learning. By the end of the course you will be able to conduct an assessment that will support sound stand management decisions. You will:

- a) set objectives and specify evaluation criteria;
- b) measure, describe and interpret forest vegetation inventories;
- c) develop, test and display likely effects of alternative silvicultural treatments;
- d) prepare written and oral reports for a stand-level project.

Schedule: TH 9:00-10:15

BNR 112B

Grading:

A. Grading will be based on:

90% or better	A
80-89%	B
70-79%	C
60-69%	D
59% or less	F

B. Percentages will be based on:

Professionalism	10%
Assignments	40%
Final project	50%

The “professionalism” component of your grade will be based on my assessment of your preparation and participation, teamwork, meeting deadlines, etc (in other words, those behaviors that you value in a colleague and employee). There will be no quizzes or exams – you will be evaluated on the quality of your assigned work.

Reading:

There will be required readings from scientific journals, texts, agency publications, etc. I expect you to come to class prepared – this includes having read assigned material.

Written and Oral Reports:

There will be a series of weekly assignments. For several of these you will prepare a technical report. Constructive feedback on these reports will allow you to improve succeeding assignments. For one of these assignments you will be partnered with another student in a collaborative learning exercise intended to simulate the sort of interdisciplinary collaboration you will conduct as a professional forester. Reporting requirements for the final project will be

a written report and oral presentation. In the written report you will communicate the results of your technical forest stand assessment. Following constructive feedback on the initial draft of your report, you will revise and resubmit. You will also give an oral presentation of your stand assessment.

Accommodations for disabilities:

Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disabilities Resource Center (DRC) in Room 101 of the University Inn, 797-2444 voice, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

Academic integrity:

Each student has the right and duty to pursue his or her academic experience free of dishonesty. The Honor System is designed to establish the higher level of conduct expected and required of all USU students. Infractions (cheating, falsification, and plagiarism) and their associated penalties are described in the USU Academic Policies and Procedures Manual (www.usu.edu/policies).

If you have any questions about what constitutes plagiarism, CHECK WITH ME!

Class schedule:

January	12	Review of basic forest measurements
	14	Habitat types; site quality; site index
	19	Density management
	21	Introduction to FVS/SVS (Assignment #1 due)
	26	Density management & FVS/SVS
	28	Density management & FVS/SVS (Assignment #2 due)
February	2	Density Management & FVS/SVS
	4	Goals and Objectives (Assignment #3 due)
	9	Uneven-aged silviculture
	11	Uneven-aged silviculture (Assignment #4 due)
	16	Virtual Monday

	23	Reproduction methods/silvicultural systems
	25	Reproduction methods/silvicultural systems (Assignment #5 due)
March	1	Reproduction methods/silvicultural systems
	3	Reproduction methods/silvicultural systems (Assignment #6 due)
	8	Spring break
	10	Spring break
	15	Stand structure and fire behavior
	17	Stand structure and fire behavior (Assignment #7 due)
	22	Building resilience (Assignment #8 due)
	24	Managerial finance
	29	Managerial finance (Assignment #9 due)
	31	Managerial finance
April	5	Managerial finance
	7	Insects and diseases
	12	Insects and diseases (Outline of final report due)
	14	Specialist's report
	19	Specialist's report (Draft of final report due)
	21	Specialist's report
	26	Specialist's report
	28	Presentation and report due