# FORESTRY FO 4221/6221
# PRACTICE OF SILVICULTURE - LAB
# SPRING SEMESTER 2012

**INSTRUCTOR:** Dr. Brent R. Frey

**CLASSROOM:** a208 Thompson Hall
**TIME:** Tuesday or Thursday 1:30PM – 5:20PM

**OFFICE:** 345 Thompson Hall
**OFFICE PHONE:** 662-325-2775
**OFFICE E-MAIL:** bfrey@cfr.msstate.edu
**OFFICE HOURS:** Monday, Tuesday, and Wednesday 9:00AM-11:00 AM
or by appointment.

**Teaching assistant:** Ellen Boerger

**Prerequisites:** FO 4213/6213 (or WF3133 & WF4223)
**Co-requisite:** FO 4223/6223 (Practice of Silviculture Lecture)

**Course Description (Mississippi State University Bulletin):**

Application of silvicultural practices and operations under given forest management objectives.

**Objectives:**

1. To demonstrate the use of silvicultural practices and the process of developing silvicultural prescriptions.

2. To augment materials discussed in the lecture portion of Practice of Silviculture (FO 4223/6223).

3. To provide students with the opportunity to make silvicultural assessments, decisions, and recommendations for forest stands.

**Major Topics:**

- Methods of site preparation and stand improvement
- Evaluation of regeneration
- Intermediate management techniques
- Evaluation and management of hardwood stands
- Natural regeneration methods
- Operational applications of practices by industry

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**Evaluation Criteria:**
Students will be evaluated based on quizzes, project reports, and a final field examination. Project reports will be group efforts and will be due the following week in lab. Exercises/field visits not requiring a report will be evaluated with a quiz given Friday in lecture. The final exam will test silvicultural prescriptions in the field.

**Final grade weighting**: quizzes (20%), reports (60%), and final exam (20%).

**Grade scale**: **A** 90-100, **B** 80-89, **C** 70-79, **D** 60-69, **F** 59 or below

**Conduct:**
Please review the "Professional Expectations for Students in the Forestry Program" document and Honor Code information provided in lecture.

**Lab Field Exercise Schedule**

| Week | Date | Topic | Assignment |
|---|---|---|---|
| 1 | Jan 10 / Jan 12 | Overview | Quiz |
| 2 | Jan 17 / Jan 19 | Industry Field Tour (HARD HAT) | Quiz |
| 3 | Jan 24 / Jan 26 | Industry Field Tour (HARD HAT) | Quiz |
| 4 | Jan 31 / Feb 2 | [open] | |
| 5 | Feb 7 / Feb 9 | Site Assessment and Evaluation | Quiz |
| 6 | Feb 14 / Feb 16 | Site Preparation and Planning | Report |
| 7 | Feb 21 / Feb 23 | Evaluation of Planting and Regeneration | Report |
| 8 | Feb 28 / Mar 1 | [open] | |
| 9 | Mar 6 / Mar 8 | Thinning Methods | Quiz |
| 10 | Mar 13 / Mar 15 | [spring break] | |
| 11 | Mar 20 / Mar 22 | Thinning Methods | Report |
| 12 | Mar 27 / Mar 29 | Stand Improvement | Report |
| 13 | Apr 3 / Apr 5 | Hardwood Regeneration/Grading | Quiz |
| 14 | Apr 10 / Apr 12 | Hardwood Stand Evaluation/Prescription | Report |
| 15 | Apr 17 / Apr 19 | Seed Tree Operations | Report |
| 16 | Apr 24 / Apr 26 | Lab Final | Exam |