

COURSE SYLLABUS*

GENERAL INFORMATION

Summer, 2006

Course Title: Forestry 250, Harvesting and Primary Manufacturing

Required Text: Timber Harvesting

Instructor's Name: Steve Resh (Full-Time)
John Jastrzembski (Full-Time)

Office location/hours: T-127, T-128; Monday-Friday, 12:00-1:00

Office Phone: 301 784-5307 (Steve), 301 784-5309 (John)

Day & Time of Class: Monday-Friday, 8:00 am - 4:30 pm,
four weeks

**Please note: Under extenuating circumstances, the instructors have the right to change any course provisions or requirements during the semester.

I. PURPOSE

To provide the student with an extensive field experience in the area of forest harvesting and primary manufacturing in order that he/she will become adequately skilled to enter the forest technician job market. Three semester hours. Forty hours of class time per week devoted mostly to hands-on harvesting activity, but some lecture/discussion time is necessary. 4 weeks.

Course Objectives

The objective of this course is to familiarize the student with the following wood harvesting and related activities:

- A. Safety requirements of harvesting and sawmilling
- B. Planning and permit acquisition
- C. Maintenance and repair of harvesting equipment
- D. Operation of chainsaws, log loaders, skidders and crawler tractors
- E. Proper merchandising, grading, scaling, utilization and marketing of logs and pulpwood
- F. Procedures for properly completing a logging job (implementation/compliance of MD Best Management Practices)
- G. Basic sawmill operation
- H. Lumber scaling
- I. Teamwork

II. COURSE Policies

- A. Attendance is required. Lack of attendance will affect your grade. Students are expected to rotate through every job that is assigned as part of the harvesting operation. Absences will affect your ability to participate in all phases of the operation and thus being absent or late carries a mandatory grade deduction.

B. Participation is important. Logging is a very physical occupation requiring good health. Any medical limitations should be discussed with your instructors and you may wish to consult your family physician regarding your ability to carry out the required duties of this class. The faculty members use this class as an indication of your ability to work hard in a safety-conscious fashion.

C. The grading scale is:

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = Less than 60%

Students in the Forest Technology program must earn a "C" or better to successfully complete this course.

The grading system is:

	Pts. possible
Timber Harvesting textbook quiz, Part I,	20
Timber Harvesting textbook quiz, Part II,	20
Timber Harvesting textbook quiz, Part IIIA,	20
Timber Harvesting textbook quiz, Part IIIB,	20
Timber Harvesting textbook quiz, Part IV,	20
Timber Harvesting textbook quiz, Part V,	20
Sediment and erosion control quiz	20
Attendance (-10%/absence)	40
Promptness (-10% each late)	30
Initiative	20
Confidence/skill improvement	20
Safety	20
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Total Points Possible	270

D. Extra Credit:

No extra credit is available in this class.

E. Tutoring or extra work sessions are available from the instructor by request.

F. Forms of Assignments:

Several films and many safety procedures are presented and made available prior to the start of fieldwork in this course. Safety meetings take place regularly and as needed in the field. Students are expected to review these materials as necessary so that dangerous situations may be avoided as much as possible and so that the student thoroughly understands the safety requirements for this course. Horseplay will not be tolerated while harvesting operations are taking place. All students must take a safety exam prior to being allowed in the field for this course. A perfect score must be achieved on this exam.

G. Plagiarism and Cheating: These crimes will not be tolerated and when they are discovered, a grade of zero will be assigned to all parties involved.

H. The exams, which cover the Timber Harvesting text, will be given in the weeks prior to the start of the harvesting operations. This material will not be the subject of class lecture, but will be acquired by reading the assigned chapters. If sections of the material need clarification, the student is encouraged to see one of the instructors during office hours. Any student, who is completing only this course during the summer, must make arrangements to take the exams prior to the start of harvesting activities. Make-up exams, for excused absences only, will be at the discretion of the instructor.

I. Required Text:

Timber Harvesting, American Pulpwood Association, The Interstate Printers and Publishers, Inc. Fourth Edition.

Operator manuals for the various pieces of equipment used will be available as a supplementary resource.

III. COURSE REQUIREMENTS

Day 1 and 2. Introduction to the course, safety considerations and personal protective equipment, basic operating procedures, safety quiz.

Day 3 and 4. Permit application, harvest setup and harvest planning.

Day 5. Review of log scaling and grading procedures.

Day 7 - 15. Rotate through the various harvesting jobs which will include: Felling, Bucking on the landing, skidder operation, crawler operation, log loader operation, equipment maintenance, and log scaler.

Day 16 and 17. Sawmill operation and lumber scaling.

Day 18 and 19, Logging site rehabilitation and preparation for shutdown.

Day 20, Equipment clean up and storage.

A. Library Assignments. None

B. Required Reading. Numerous handouts are prepared by the instructor. These handouts must be read before field operations are begun.

C. Supplemental learning resources. Several agencies are used as resources for this course, including procurement foresters from various wood utilization companies. State government

employees may visit the site for inspection purposes. Safety equipment will be required, and purchased by the student, and will include a hardhat safety system (or hardhat, eye and ear protection), steel-toed boots, chainsaw safety chaps and gloves.