

**FORESTRY 8163
NONMARKET FOREST VALUES
Distance Education**

INSTRUCTOR: Dr. Stephen C. Grado

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OFFICE HOURS: Tuesday and Thursday
3:30AM-4:30PM via e-mail or chat room.

Course Description (Mississippi State University Bulletin):

The course will deal with the valuation of nonmarket, nontimber outputs or amenities derived from the forest.

Objectives:

1. Study the pertinent aspects and issues relating to nonmarket, nontimber outputs or amenities derived from the forest.
2. Examine techniques and methods for estimating the values of nonmarket, nontimber outputs.
3. Examine previous studies and applications where the values of nonmarket, nontimber outputs were assessed.

Required Readings and Other Materials:

Periodically, handouts and readings will be posted in MyCourses. Visual presentations will be posted online to illustrate and expand upon the lecture notes. Students will be responsible for this material.

Suggested Readings:

- Bishop, R. C. 1987. Economic values defined. Pages 24-33 in D. J. Decker and G. R. Goff, eds. *Valuing Wildlife: Economic and Social Perspectives*. Westview Press, Boulder, Colorado.
- Brown, P. J., and M. J. Manfredo. 1987. Social values defined. Pages 12-23 in D. J. Decker and G. R. Goff, eds. *Valuing Wildlife: Economic and Social Perspectives*. Westview Press, Boulder, Colorado.
- Champ, P.A., K.J. Boyle, and T.C. Brown (Eds.). 2003. *A Primer on Nonmarket Valuation*. Kluwer Academic Publishers, London, Great Britain.

- Cordell, H.K., J.C. Bergstrom, and J.C. Bowker. 2005. *The Multiple Values of Wilderness*. Venture Publishing, Inc., State College, Pennsylvania.
- Czech, B. 2000. *Shoveling Fuel for a Runaway Train*. University of California Press, Berkeley, California.
- Davis, L.S. and K.N. Johnson. 1987. *Forest Management*. 3rd ed. McGraw-Hill, Inc., New York, N.Y.
- Dillman, D.A. 1978. *Mail and Telephone Surveys: The Total Design Method*. John Wiley and Sons, New York, N.Y.
- Gregory, G.R. 1987. *Resource Economics for Foresters*. John Wiley & Sons, New York, N.Y.
- Klemperer, W.D. 1996. *Forest Resource Economics and Finance*. McGraw-Hill, Inc., New York, N.Y.
- Loomis, J.B. and R.G. Walsh. 1997. *Recreation Economic Decisions: Comparing Benefits and Costs*. 2nd ed. Venture Publishing, Inc., State College, Pennsylvania.
- McNamara, J.F. 1994. *Survey and Experiments in Education Research*. Technomic Publishing Company, Inc., Lancaster, Pennsylvania.
- Young, R.A. 2005. *Determining the Economic Value of Water, Concepts and Methods*. Resources for the Future, Washington, D.C.

Evaluation Criteria:

Online Participation	5%
Mid-term Exam	20%
Annotated Bibliography	15%
Research Position Paper	20%
Online Oral Presentation	20%
Online Final Exam	20%

Grade Scale:

A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

Examinations:

The first exam will consist of short answer essays and multiple-choice questions.

Proctor Mid-term Exam

mid October

Online Final Exam due

early December

Written Assignments and Oral Presentation:

1. An annotated bibliography (minimum of 5 articles) of current research on a relevant issue related to the valuation of nonmarket forest resources. A copy of each article must be submitted with the annotated bibliography with MyCourses.
2. A research-based, position paper of current research (based on 1. above) on a relevant issue related to the valuation of nonmarket forest resources.
3. Results of the research position paper will be presented to the class. Presentations will be 20 minutes with 5-10 minutes for questions. Audience will critique talk. This presentation will require the use of a webcam.

Tuesday, September 8th

Submit topic for written and oral assignments for review (5% of the position paper grade).

Tuesday, September 29th

Submit annotated bibliography for grading.

Tuesday, December 1st

Submit position paper for grading (95% of the assignment grade).

Assigned Date

Oral presentation (grade based on the following weights- 75% instructor; 25% class critique).

Professional Expectations:

Please read and follow the advice given in the “*Professional Expectations for Students in the Forestry Program*” document provided in MyCourses.

Academic Misconduct:

Violations of the academic honesty code will be dealt with in the strictest terms. Students are advised to become familiar with the University's academic honesty code. The Honor Code reads as:

“As a Mississippi State University student I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those that do.”

Policies and procedures for handling academic misconduct as outlined under University policies relating to students can be found at Internet Web site address <http://www.msstate.edu/dept/audit/1207.html> and will be followed in this course. Students are responsible for reading all materials (including that contained in the Attachments) within this Web site relating to academic misconduct. It is the student's responsibility to ensure that both the *letter* and the *intent* of this code are met in all circumstances. Ignorance of this code will not provide a refuge from the consequences of misconduct. In addition the seal and pledge below will appear on all exams and students are expected to sign it.



“On my honor, as a Mississippi State Student,
I have neither given nor received unauthorized
assistance on this academic work.”

Student Signature

Attendance Policy:

Lectures-There will be no attendance monitoring unless otherwise noted. However, participating in the online discussions is vital to learning and understanding the material.

Exams-In case of illness, accident, or emergency, please notify the course instructor *prior* to the absence for an exam. Make-up exams will only be scheduled for absences authorized by the instructor. Exams can be made-up with a doctor's excuse (for illness at the time of the exam); death in the family; or a job interview that cannot be rescheduled. All excuses will be subject to verification. Arrangements for make-ups must be made at least one week in advance. **Missing an exam without proper notification and/or signed verification will result in a grade of zero in the exam, including the final exam (no exceptions).**

Topics:

- Course Introduction and Requirements (1.5 contact hours)
- Historical Background from an Economic Perspective (1.5 contact hours)
- The Need for Amenity Resource Valuation in Public and Private Natural Resource Management (1.5 contact hours)
- Economic Values: Market and Nonmarket Forest Outputs (3.0 contact hours)
- Social Values from the Forest (1.5 contact hours)
- Impact and Employment from the Forest (1.5 contact hours)
- Valuation of Marketed Forest Resources: Financial Valuations (3.0 contact hours)
- Valuation of Nonmarket Forest Resources: Financial Valuations (1.5 contact hours)
- Valuation of Nonmarket Forest Resources: Input-Output Analysis (1.5 contact hours)
- Recreation Valuation: Information Survey Techniques and Data Requirements (1.5 contact hours)
- Recreation Valuation: Travel Cost Method and Applications (1.5 contact hours)
- Nonmarket Valuation: Shadow Price Method and Hedonic Price Method (1.5 contact hours)
- Recreation Valuation: Contingent Valuation Method and Applications (1.5 contact hours)
- Recreation Valuation: Economic Impact Studies (1.5 contact hours)
- Wildlife Valuations (1.5 contact hours)
- Water Valuation (1.5 contact hours)
- Wetlands Valuation (1.5 contact hours)
- Atmospheric Valuations (1.5 contact hours)
- Timber and Wildlife Habitat Production Tradeoffs (1.5 contact hours)
- Oral Presentations of Research-based, Position Papers (3 sessions, 2 contact hours each, 6.0 contact hours)
- Forest Certification (1.5 contact hours)
- Research Discussion board (1 contact hour)
- General Discussion board (1 contact hour)
- Online exams (two, 2-hour exams (1 proctor and 1 online), 4 contact hours)

Total Contact Hours: 45