

**FORESTRY 8163
NONMARKET FOREST VALUES
FALL SEMESTER 2014**

INSTRUCTOR: Dr. Stephen C. Grado

CLASSROOM: a220 Thompson Hall

LECTURE: Tuesday and Thursday 2:00-3:15PM. This course will meet twice per week for 1 1/4 hours per lecture.

OFFICE: 357 Thompson Hall

OFFICE PHONE: 662-325-2792

OFFICE E-MAIL: sgrado@cfr.msstate.edu

OFFICE HOURS: Tuesday and Thursday 11:00AM-12:00PM
or by appointment.

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 given to the class. Visual presentations will be used to illustrate and expand upon the classroom 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.

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- 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.
- 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:

Classroom Participation	5%
Mid-term Exam	20%
Annotated Bibliographies	15%
Research Position Paper	20%
Oral Presentation	20%
Take Home 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.

Mid-term Exam **Tuesday, October 7th**

Take Home Final Exam due **Thursday, December 11th**

Written Assignments and Oral Presentation:

1. An annotated bibliography (minimum 5 articles) of current research on a relevant issue related to the valuation of nonmarket forest resources. A pdf copy of each article must be submitted with each annotated bibliography.
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 orally to the class. Presentations will be 20 minutes with 5-10 minutes for questions. Audience will critique talk.

Tuesday, September 9th Submit topic for written and oral assignments for review (5% of the position paper grade).

Tuesday, September 30th Submit annotated bibliographies for grading.

Tuesday, December 2nd 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).

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Professional Expectations:

Please read and follow the advice given in the “*Professional Expectations for Students in the Forestry Program*” document provided on the first day of class.

Cell Phone Policy:

Cell phone use is not permitted in the classroom. As a courtesy, please turn off your cell phones, or leave on vibrate, upon entering the classroom for lecture or when taking an exam.

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/web/security/student_policies.html and will be followed in this course. Students are responsible for reading all materials (including those contained in the Attachments under Policies Regarding Student Behavior; e.g., especially the Honor Code; Student Affairs OP 91.100, Code of Student Conduct) 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. Students are expected to attend classes unless prevented by circumstances beyond their control. Regardless of the reason for the absence, students are responsible for all material assigned and covered during their absence.

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

Cell Phone Policy:

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Student Support Services:

It is the responsibility of any student who has special needs [Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA)] to inform the instructor of this class as soon as possible so reasonable accommodations may be provided. The student must self-identify concerning disability documentation that is as recent as within the last three (3) years and request necessary accommodations. (STUDENT AFFAIRS OP 91.121: Students with Disabilities, <http://www.msstate.edu/dept/audit/PDF/91121.pdf>).

Students may need academic accommodations and should be aware that these services are on campus. It is best to go at the beginning of each semester. Go to Student Support Services Office or see <http://www.sss.msstate.edu/>.

Thompson Hall Safe Areas

If a severe weather warning sounds while you are in this class, the weather safe areas for Thompson Hall are:

Primary Locations-First floor Rooms 132 and 134, and the Men's and Women's restrooms.

Secondary Locations-First floor Rooms 128 and 130.

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Tentative Course Schedule

<u>Date</u>	<u>Topic</u>
8/19	Course Introduction and Requirements-Review the Syllabus and Associated Web Sites; there is no Blackboard Learn+ file for L1
8/21	Historical Background from an Economic Perspective (L2)
8/26	The Need for Amenity Resource Valuation in Public and Private Natural Resource Management (L3)
8/28	Economic Values: Market and Nonmarket Forest Outputs (L4)
9/2	Social Values from the Forest (L5)
9/4	Expenditures for Nonmarket Activities (L6)
9/9	Valuation of Marketed Forest Resources: Financial Valuations (L7) Submit for review your topic for the annotated bibliography, research position paper, and oral presentation.
9/11	Valuation of Nonmarket Forest Resources: Financial Valuations (L8)
9/16	Valuation of Nonmarket Forest Resources: Input-Output Analysis (L9)
9/18	Recreation Valuation: Information Survey Techniques and Data Requirements (L10a, b)
9/23	Recreation Valuation: Travel Cost Method and Applications (L11)
9/25	Nonmarket Valuation: Shadow Price Method and Hedonic Price Method (L12)
9/30	Recreation Valuation: Contingent Valuation Method and Applications (L13) Submit annotated bibliographies.

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Tentative Course Schedule (continued)

<u>Date</u>	<u>Topic</u>
10/2	Review for the Mid-term Examination on Your Own and/or Contact me for Questions, see Lectures #1 through #13 and associated readings
10/7	** MID-TERM EXAM - Tuesday, October 7th **
10/9	Wildlife Valuations (L14)
10/14	Timber and Wildlife Habitat Production Tradeoffs-Game Animals (L15) PowerPoint
10/16	Timber and Wildlife Habitat Production Tradeoffs-RCWs (L16) PowerPoint
10/21	Wilderness Valuation (L17)
10/23-10/24	Fall Break for Students! – No Class.
10/28	Water Valuation (L18)
10/30	Wetlands Valuation (L19) and PowerPoint
11/4	Atmospheric Valuations (L20)
11/6	Economic Growth and Wildlife Conservation (L21) PowerPoint
11/11	Valuation Review (L22) PowerPoint
11/13	Oral Presentations of Research-based, Position Papers
11/18	Oral Presentations of Research-based, Position Papers
11/20	Oral Presentations of Research-based, Position Papers
11/25	Oral Presentations of Research-based, Position Papers

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Tentative Course Schedule (continued)

<u>Date</u>	<u>Topic</u>
11/26-11/28	Fall Break for Students! – No Class.
12/2	Review for the Final Examination on Your Own and/or Contact me for Questions. See Lectures #14 through #22. Take Home Exam to be distributed in class. Submit position paper.
12/11	** Take Home Final Exam due Thursday, December 11th **