Resource Economics (NRES 372/572) Spring 2019
(3 credits – 2 1-hour lectures, 1-hour discussion)

INSTRUCTOR: Dr. Melinda Vokoun **OFFICE:** TNR 376
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Class Time:	Lecture Section 1: Tues. & Thurs.	8:00 am – 8:50 am	TNR 170
	Discussion Section 1: Thurs.	10:00 am – 10:50 am	TNR 320
	Discussion Section 2: Fri.	10:00 am – 10:50 am	TNR 320
	Lecture Section 2: Tues. & Thurs.	2:00 pm – 2:50 pm	TNR 170
	Discussion Section 1: Fri.	11:00 am – 11:50 am	TNR 320
	Discussion Section 2: Thurs.	4:00 pm – 4:50 pm	TNR 320
Final Exam:	**Lecture 2**: Tues., May. 14, 2019	12:30 pm – 2:30 pm	TNR 170
	Lecture 1: Thurs., May. 16, 2019	2:45 pm – 4:45 pm	TNR 170

Office Hours: Mon 10:00 am -11:00 am, Tues 3:00 – 4:00 pm. I am generally available to answer quick questions anytime I am in my office and the door is open (see schedule posted to the right of office door). Longer questions are best left to office hours or by appointment.

Text: Tietenberg, Tom & Lynne Lewis. 2010. *Environmental Economics & Policy.* 6th ed. Addison-Wesley, Boston, Mass. 526 p. (**EEP**)

General Education Program (GEP): Successful completion of this course will fulfill the Interdisciplinary Studies (IS) requirement as part of the General Education Program. Learning Outcomes for IS in the GEP are:

1) Identify an issue or question related to the interdisciplinary course and describe what each discipline contributes to an understanding of that issue
2) Explain the benefits of being able to combine these contributions

Assessment:

As part of the General Education Program, class activities will be conducted in order to determine whether outcomes are being met. You will never be individually identifiable in any information collected & used for this purpose, however I may use any information provided (but will never associate a name with it).

Course Learning Outcomes: Students in this course will learn the principles of microeconomics, their use and application, specifically relating to natural resource management and policy. Upon completion of this course, students will be able to:

1. Use marginal costs and benefits to make economically efficient/optimal decisions
2. Explain valuation techniques and supply and demand interactions
3. Identify market failures in natural resource economies and reasons for, and effects of, policy interventions (IS 1, 2)
4. Apply calculations to make economically sound decisions and comparisons

Grading:
This class consists of 340 total points. There will be one research project counting for 76 points, 3 written exams each counting for 60 points, 8 in-discussion problem sets each counting for 8 points, and in-class assessments (via clickers) amounting to 20 points. Grading scale: 100-92 = A, 91-90 = A-, 89-88 = B+, 87-82 = B, 81-80 = B-, 79-78 = C+, 77-72 = C, 71-70 = C-, 69-68 = D+, 67-60 = D, <60 = F

In-class assessment:
This class uses "Turning Point Cloud" to do interactive polling and assessment. You will need to purchase a Turning Technologies code from the bookstore to participate in the class. You will be able to use your own device (a laptop, tablet, or smartphone) to respond to polling. Turning Point Account: You will need to create or connect your Turning Point account through the Course in Canvas. Click on the Turning Point account activation link in the course in Canvas to get started. If you do not have a device, you may check out a clicker from the UWSP IT Service Desk in room 027 ALB, basement of the UWSP library, free of charge. You will need your UWSP Student ID. Clickers must be returned to IT Service Desk before the end of finals. Students with unreturned clickers will be billed a late fee and/or may be billed the replacement cost of the clicker. Help with Turning Point Cloud found at: https://www.turningtechnologies.com/support/turningpoint-cloud

Instructor's rules:
(1) Discussion of course material and assignments between students is encouraged, however all work must be done independently, unless directed otherwise.

(2) Cheating and/or plagiarism will not be tolerated.
http://www.uwsp.edu/dos/Documents/CommunityRights.pdf#page=11

(3) If you plan to miss an exam, you must let me know ahead of time **and** provide a legitimate explanation as for your absence. Unexcused absences or delayed notification (unless reasonable) will result in a ZERO for the exam. Discussion assignments will be due the lecture period following discussion (Tuesday), unless otherwise specified. Late assignments incur a **5% per day penalty**.

(4) All written work is expected to be neat and well organized. Work that is illegible will receive a zero.

(5) Students will be responsible for downloading and printing course notes from Canvas.

(6) Disruptive behavior will not be tolerated. It diminishes the opportunity for learning by peers, and shows disrespect to your peers and to your instructor. Students will receive ONE warning about disruptive behavior. At the second instance the student will be asked to leave class and will forfeit **ALL** opportunities to receive credit for any activities conducted that day. A third instance will result in disciplinary action following university guidelines, see:
http://www.uwsp.edu/dos/Documents/CommunityRights.pdf#page=19

(7) A simple calculator with the ability to compute exponents ***will be necessary*** for this class. Use of phones or other electronic devices to conduct calculations **IS NOT** an acceptable practice.

(8) Upon entering the classroom, cell phone/smart phones ringers will be turned off or muted.

Tips for success, from former successful students:

1. Attend class. If you do miss, get notes from someone who takes complete notes.
2. Notes: Write down what's on the slides and what the instructor is saying.
3. Attend group tutoring. Use the study guides to make exam notecards.
4. If you have questions, see Dr. V - she'll make sure that you understand.

Attendance Policy: You are expected to come to every class. Missing class habitually almost always results in lower class grades! Getting a decent grade in this class is not difficult, provided that you attend class, take good notes, and work the problem sets.

Additional Support Resources: The Tutoring-Learning Center (TLC) offers **free** group tutoring to support you in this class. Times and locations will be listed by Week 2 of the semester at: http://www.uwsp.edu/tlc/Pages/schedules.aspx
Tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and content knowledge to help others succeed. Discussing concepts and processes together clarifies and solidifies knowledge, and the tutors are eager to study with you. If you have questions or would like to make an appointment, please visit the TLC in ALB 018 (library basement), email (tlctutor@uwsp.edu), or call (715) 346-3568 for information.

Disability Statement: Any student who anticipates they may need an accommodation based on the impact of a disability (including mental health, chronic or temporary medical conditions) should contact me privately to discuss your specific needs. Students are also encouraged to contact the DATC at 715-346-3365 or at datctr@uwsp.edu to seek further assistance. Students currently registered with the DATC may provide their Notice of Accommodation letter during office hours, electronically via email, after class, or all.

Emergency procedures:
In the event of a medical emergency, call 911 or use red emergency phone located ***immediately outside of the lecture classroom (TNR 170) and for discussion (TNR 320)***. Offer assistance if trained and willing to do so. Guide emergency responders to victim.

In the event of a tornado warning, proceed to the lowest level interior room without window exposure at ***Lecture classroom (TNR 170) or second floor interior hall (discussions).***

In the event of a fire alarm, evacuate the building in a calm manner. Meet at ***Pointer dog sculpture on TNR west side (lecture), at the Sculpture on TNR East side (discussions).*** Notify instructor or emergency command personnel of any missing individuals.

Active Shooter – Run/Escape, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Follow instructions of emergency responders.

See UW-Stevens Point Emergency Management Plan for details on all emergency response at UW-Stevens Point at http://www.uwsp.edu/rmgt/Pages/em/procedures.

NRES 372 - Spring 2019 - Tentative Lecture Outline

Dates	*Topic(s)*	*Readings (EEP)*
1/22, 1/24	**Introduction; Economics for the environment**	**Chap 1 & 2**
1/29, 1/31	**Markets: Consumers & Demand**	**Chap 2 & 4**
2/5, 2/7	**Markets: Producers & Supply, Equilibrium**	**Chap 2 & 4**
2/12, 2/14	**Markets: Putting it together, Valuing the environment**	**Chap 7 & 3**
2/19, 2/21	**Methods for valuing the environment**	**Chap 3**
2/26, 2/28	**Review and/or catch-up, Exam 1**	**Chap 3**
3/5, 3/7	**Valuing the environment: Concepts**	**Chap 2 & 3**
3/12, 3/14	**Market failures & externalities**	**Chap 4**
3/19, 3/21	**SPRING BREAK NO CLASS**	**NO CLASS**
3/26, 3/28	**Integrating Natural & Social Science: Pollution & policies**	**Chap 14**
4/2, 4/4	**Integrating Natural & Social Science: Pollution policies**	**Chap 14**
4/9, 4/11	**Open access failures or review, Exam 2**	**Chap 4**
4/16, 4/18	**Integrating Natural & Social Science: Marine Fisheries**	**Chap 4 & 13**
4/23, 4/25	**Integrating Natural & Social Science: Fisheries Policies**	**Chap 13**
4/30, 5/2	**Public goods failures, Integrating: Forest management**	**Chap 12**
5/7, 5/9	**Integrating Natural & Social Sciences: Forest management; forest & land policies**	**Chap 12 & 10**
5/14, 5/16	**Final Exam (NOT comprehensive*) 5/14 Lect 2: 12:30 pm – 2:30 pm, 5/16 Lect 1: 2:45 – 4:45 pm**	**EXAM**

***The Final course exam will NOT cover all material learned over the course of the semester, however understanding economics & its role & importance in natural resource management is a cumulative process**

NRES 372 – Spring 2019 - Tentative Discussion Outline

Dates	*Topic(s)*	*Assignment*
1/24, 1/25	**Introduction**	**Pre-test, initial research topic survey**
1/31, 2/1	**Markets: Consumers & Demand**	**Optional problems week 2**
2/7, 2/8	**Markets: Producers & Equilibrium**	**Problem set 1**
2/14, 2/15	**Markets: Shifts & Price elasticity**	**Problem set 2**
2/21, 2/22	**Methods for valuing the environment**	**Problem set 3; Research groups assigned**
2/28, 3/1	**Research project**	**Group research question, ** SCI B228**
3/7, 3/8	**Valuing environment: Concepts**	**Problem set 4**
3/14, 3/15	**Market failures: externalities**	**Optional problems week 8**
3/21, 3/22	**NO DISCUSSION– Spring break**	**NO DISCUSSION– Spring break**
3/28. 3/29	**Optimal level & cost of pollution**	**Problem set 5, summary of sources due**
4/4, 4/5	**Pollution policies and/or review**	**Exam 2 review problems, Peer review summaries**
4/11, 4/12	**Research project**	**Group research meeting, ** SCI B228**
4/18, 4/19	**Open access failures, fisheries**	**Problem set 6, ** SCI B228**
4/25, 4/26	**Marine Fisheries Policy outcomes**	**Problem set 7, ** SCI B228**
5/2, 5/3	**Forest Management**	**Problem set 8**
5/9, 5/10	**Reserved for catch-up if needed**	**Final research paper due**