



LAND 1000 also satisfies the University of Georgia's Environmental Literacy Graduation Requirement. Grading for LAND 1000 includes 2 exams and a series of in-class quizzes.

### Grading Scheme

Item	Date Due	LAND 1000		ECOL 1000	
		Points	% of Grade	Points	% of Grade
Exam 1	Th – Oct 1	100	40%	100	30%
Exam 2 <sup>1</sup>	Th – Nov 19	100	40%	100	30%
Lab Reports <sup>2</sup>	Weekly	----	----	100	30%
Quizzes <sup>3</sup>	Unannounced	80	<u>20%</u>	80	<u>10%</u>
			100%		100%

<sup>1</sup> Exam 2 (Th-19-Nov.) will include test questions from your required book choice (Syllabus p.5).

<sup>2</sup> ECOL 1000 Lab Assignments: Turn in to your T.A. during your lab in the week they are due.

<sup>3</sup> A total of 10 quizzes will be given during lecture periods. Each is worth 10 points, and the two lowest scores (which can include any missed quizzes) will be dropped.

### ECOL 1000 Lab Reports

	Points	Date Due
Butterfly Lab Short-answer Assignment	10	Week of 09/14 – 09/18
Stream Lab Report	20	Week of 10/12 – 10/16
Forest Lab Report	20	Week of 11/02 – 11/06
Life-style Change Poster	20	Week of 11/30 – 12/04
Lab / Discussion Participation	30	Weekly

### Examinations:

Exams will cover material in the text and lecture including information presented by guest speakers. Two in-class exams will be given during the semester on Th-1-Oct and Th-19-Nov. Each exam will be multiple choice format and worth 100 points. Make-up exams will not be allowed except for students who experience serious personal illness or immediate family emergency on the date of the exam and who meet all of the following requirements: (1) Students must notify the instructor of the reason for their absence prior to the exam. (2) Students must provide written documentation of serious personal illness or immediate family emergency within one week of the exam date. (3) If the documentation is confirmed, the make-up exam will be given at the earliest possible date following the scheduled exam.

### Quizzes:

There will be 10 unannounced in-class quizzes offered throughout the semester. These questions provide an opportunity for students to reflect on concepts and examples covered in the lectures. Each quiz will be worth 10 points. The two lowest quiz scores will be dropped. No make-up quizzes will be given: a missed quiz counts as a 'zero' and can be dropped with the lowest scores. In the spirit of a paperless office, **ALL QUIZZES WILL BE TAKEN BY REMOTE "CLICKERS."** THEREFORE YOU MUST PURCHASE A CLICKER AT THE BOOKSTORE AND BRING THIS TO EVERY CLASS!

### Schedule of Topics \*Chapters refer to Chiras 2009 *Environmental Science* (8<sup>th</sup> Ed.)

Date	Topic	Readings/Assignment
	<b>Part I: Population and basic ecological principles</b>	
Aug 18	Introduction, organization and goals	Chapter 1
Aug 20	Population growth 1. Measuring population size	
	<i>No laboratory during first week of class</i>	
Aug 25	Population growth 2. Exponential growth	Chapter 8
Aug 27	Population growth 3. Limits to growth	Chapter 9
	<i>Laboratory: Butterfly Lab</i>	<i>(Field trip)</i>

Sep 01	Population growth 4: Two Georgia's	Chapter 9
Sep 03	Ecological principles 1: How ecosystems work <i>Laboratory: Population models (Computer lab*)</i>	Chapter 4
Sep 08	Ecological principles 2: Competition and disturbance	Chapters 5 and 6
	<b>Part II: Land Use and Biodiversity</b>	
Sep 10	Biodiversity 1: The diversity of life <i>No Laboratory: Labor Day</i>	
Sep 15	Biodiversity 2: Ecosystem services	Chapter 11
Sep 17	Biodiversity 3: Endangered species	Chapter 11
	<i>Laboratory: Web &amp; Library Resources. If your section meets in the SLC, your Library Demo is <u>also</u> in the SLC. If your lab section meets anywhere else, your Demo is at the Science Library Reference Desk.</i>	<b>Butterfly assignment due Receive poster guidelines</b>
Sep 22	Land use 1: Old growth forests	Chapter 12
Sep 24	Land use 2: Growing our food <i>Laboratory: Stream Lab 1 (Field Trip)</i>	Chapter 10
		<b>Submit lifestyle plan</b>
Sep 29	Land use 3: Parks and protected areas	Chapter 11
Oct 01	<b>EXAM 1</b> <i>Laboratory: Stream Lab 2 (Computer Lab*)</i>	
	<b>Part III: Climate</b>	
Oct 06	Global climate change 1: Global warming	Chapters 5 and 20
Oct 08	Global climate change 2: Consequences to GA <i>Laboratory: Agroecology (Field Trip)</i>	Chapters 5 and 20
Oct 13	Global climate change 3: Coral bleaching and ocean acidification	Chapter 20
Oct 15	Global climate change 4: Climate change and tropical butterflies <i>Laboratory: Forest Lab 1 (Field Trip)</i>	<b>Stream lab report due</b>
Oct 20	Global climate change 5: Ozone	Chapter 20
Oct 22	Global climate change 6: Hurricanes <i>Laboratory: Forest Lab 2 (Computer Lab*)</i>	
Oct 27	Global climate change 7: War & the environment	
	<b>Part IV: Water and Energy</b>	
Oct 29	Water 1: The Water Crisis <i>No laboratory: Fall Break</i>	Chapter 13
Nov 03	Energy 1: Energy Alternatives / Energy Solutions	Chapter 15
Nov 05	Energy 2: "The Day After Tomorrow" <i>Laboratory: Consumer Issues (Field Trip)</i>	Chapter 14
		<b>Forest lab report due</b>
	<b>Part V: Environmental Ethics</b>	
Nov 10	Environmental protection and human rights: Naval	Chapter 24

	bombardment on Vieques, P.R.	
Nov 12	Environmental protection and difficult choices: What's Killing Florida's Coral Reefs	Chapter 25
	<i>Environmental Ethics Discussion</i> With ideas and observations from your individual book choices.	
Nov 17	Pesticides and GM Crops	Chapter 22
Nov 19	<b>EXAM 2</b>	
	<i>Laboratory: Recycle Center / Land Fill (Field Trip)</i>	
	<b>Nov 24 – 28 Thanksgiving Break, No Class</b>	
Dec 01	Whales	Chapter 25
Dec 03	Native Peoples & the Environmental Ethic	
	<i>Laboratory: Discussion of life-style change posters</i>	<b>Lifestyle Poster due</b>

\* Computer labs are conducted in either Room 138 of the Poultry Science Bldg. or Room 22C of the Ecology Bldg (ask your TA in which of these two rooms your own individual computer lab exercises will be conducted).

### Required Books:

CHOOSE **ONE AND ONLY ONE** OF THE FOLLOWING BOOKS TO READ BEFORE NOV. 20<sup>TH</sup>. SEVERAL QUESTIONS ON YOUR SECOND IN-CLASS EXAM WILL DIRECTLY ADDRESS THE CONTENT OF YOUR CHOSEN BOOK:

- Diamond, J. 2004. ***Collapse: How Societies Choose to Fail or Succeed.*** Viking Press. ISBN 0-670033375
- Friedman, T.L. 2008. ***Hot, Flat and Crowded.*** Farr, Straus, & Giroux; New York, NY. 438 pp. ISBN 13:978-0-374-16685-4
- Kennedy, R.F. 2005. ***Crimes Against Nature.*** Harper Collins Publishers, Inc.; New York, NY ISBN 0-06-0746882
- Kingsolver, B. 2008. ***Animal, Vegetable, and Miracle: A year of food life.*** Harper Perennial; New York, NY. 370 pp. ISBN 978-0-06-085256-6 (Paperback)
- Pearce, F. 2006. ***When the Rivers Run Dry: Water – The Defining Crisis of the Twenty-first Century.*** Beacon Press; Boston, MA. 336 pp. ISBN 0-8070-8572-3
- Speth, J.G. 2008. ***The Bridge at the Edge of the World.*** Yale University Press; New Haven, CN

### Synopsis of Required Books:

**COLLAPSE** A Pulitzer Prize-winning ecologist presents a unified theory of the interaction between population growth and unsustainable environmental practices. Ranging widely from the Mayan civilization to the Easter Islanders, Diamond takes an historical perspective to make a modern forecast.

**HOT, FLAT AND CROWDED.** Why we desperately need a “Green Revolution,” and how it can renew America.

**CRIMES AGAINST NATURE** An environmental lawyer’s view of the current state of environmental affairs in national politics (Hint: Robert Kennedy, Jr. is not pleased).

**ANIMAL, VEGETABLE, MIRACLE** Barbara Kingsolver and family abandon the industrial food pipeline to live a rural life; for one year they eat only food they raised themselves or bought from their neighbors. You are what you eat.

**WHEN THE RIVERS RUN DRY** The difference between running out of oil and running out of water is simple: unlike oil, water has no substitute.

**THE BRIDGE AT THE END OF THE WORLD.** *Washington Post’s* Best environmental book of 2008. The author places the crisis of our system of capitalism in an environmental context and shows why sustainability is both necessary and possible.

## COURSE POLICIES

### **Attendance:**

Most students find the lecture topics, video segments, and guest speakers to be the most interesting parts of the course. Lectures will generally not duplicate material found in the textbook. Since you will be responsible for this information on the exams, it is to your advantage to be here and take your own notes. In addition, the only way to earn credit for the unannounced short answer quizzes is to be in class when they are given.

### **Behavior Policy:**

Be prompt and on time for class. The introduction and summary of each day's lecture are intended to help students identify main points they will be responsible for later.

Do not leave class before class is dismissed. This is disruptive for the class and an act of disrespect to your classmates and the instructor. Students who have a prior reason for leaving class early or arriving late should provide advance notice to the lecture TA and instructor.

Act as if this were a small class, not a lecture hall. Don't assume that because the class is large, the instructor does not care who you are or what you do. You will be treated as an individual who has both rights and responsibilities. Get to know your professor and TA's at the start or end of class or during office hours.

Cut off/silence cell phones and beepers while class is in session.

Use of laptop computers is prohibited while class is in session.

**Accommodations:** Please contact the instructor and lecture TA within the first two weeks of class if you require special accommodations due to learning disabilities, religious practices, physical or medical needs, or for any other reason.

**Clickers:** You are responsible for bringing a working clicker to class each day. No make-ups or excused grades will be provided due to a forgotten clicker or a non-working battery. Entering data using more than one clicker will automatically result in academic dishonesty procedures for all parties involved.

**Be honest in your academic work:** All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work. All cases of suspected cheating, computer dishonesty, plagiarism, collusion or any other form of academic dishonesty will be reported to the Office of Student Affairs. Lack of academic integrity is grounds for failure of the course and dismissal from the university. The link to more detailed information about academic honesty can be found at: <http://www.uga.edu/ovpi/honesty/acadhon.htm>

**Laboratory attendance policy:** Attendance is mandatory for all laboratory sessions. Contact your TA immediately if scheduling conflicts arise as you may be permitted to attend another lab section that week. A laboratory that is missed altogether will result in a lower participation grade, and a reduced score on assignments associated with the scheduled lab. Your final lab grade will drop one full letter grade for every 3 labs that are missed. Further details on laboratory assignments and policies will be presented by your ECOL 1000 TA.

### **Lab report rewrite policy:**

- 1) You may submit a rewrite on the first full lab report only (Stream Lab Report).
- 2) You must notify your T.A. if you intend to rewrite this lab report.
- 3) The rewrite must be substantial (to improve a very poor grade).
- 4) The rewrite is due one week after paper is returned.
- 5) The resubmission **MUST** include the originally-graded lab report plus your rewrite. No credit will be given without the original graded paper attached.
- 6) The *maximum* grade on a rewrite is 90% of the possible points.

**Late Paper Policy:** 1 point is lost per working day beyond the assignment's due date.

**ECOL 1000 Laboratory Schedule      Fall 2009**

<b>Sect</b>	<b>Call #</b>	<b>Time</b>	<b>Day</b>	<b>Bldg. / Room</b>	<b>TA</b>
1	25-237	09:05A-12:05P	M	POULTRY SCI (1013)      RM 238	Tyler Kartzinal
2	45-241	12:20P-03:20P	M	PLANT SCI (1061) RM 1503	Andrew Binderup
3	25-240	12:20P-03:20P	M	MILLER SLC (0081) RM 269	Casey Hill
4	15-245	12:30P-03:15P	T	ECOLOGY (1033) RM 117	Andrew Binderup
5	55-247	03:30P-06:15P	T	PLANT SCI (1061) RM 1102	Casey Hill
6	45-238	09:05A-12:05P	W	POULTRY SCI (1013) RM 238	Nathan Pratt
7	65-242	12:20P-03:20P	W	MILLER SLC (0081) RM 269	Andrew Binderup
8	85-243	12:20P-03:20P	W	ADERHOLD (1060) RM 601	Tyler Kartzinal
9	95-249	03:35P-06:35P	W	DAVIDSON LIFE SCI (1057)      C-114	Tyler Kartzinal
10	35-246	12:30P-03:15P	R	ECOLOGY (1033) RM 117	Nathan Pratt
11	75-248	03:30P-06:15P	R	CONNER HALL (1011) RM 104	Casey Hill
12	65-239	09:05A-12:05P	F	POULTRY SCI (1013) RM 238	Nathan Pratt
13	05-244	12:20P-03:20P	F	MILLER SLC (0081) RM 269	Mindy Edelson

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