

8. **Field trip with ES 1 class or a self-guided field trip** to John Muir National Historic Site, Martinez.
9. Pass a **take-home final assignment**.
10. **Assignment due dates** are listed in the following lecture schedule overview!

OBJECTIVES

After completing the reading assignments and watching the video programs, you should be able to:

1. Examine environmental studies as a newly emerging field of study and its relation to the scientific field and other disciplines.
2. Assess and apply environmental and ecological concepts to modern life and a technologically based society.
3. Assess and explore the career opportunities in the environmental studies field.
4. Analyze the history of human use and exploitation of the earth's natural resources.
5. Examine the relationship between resource degradation and the changing role of humans in society.
6. Compare and contrast the history of land use ethics in Western versus non-Western cultures.
7. Explore the impact of the industrial revolution and other technological advances on the human relationship with nature.
8. Evaluate the effects of the conservation movement in the United States.
9. Assess the political system within the United States and its relationship to environmental degradation.
10. Analyze how ethics, politics and the current economic system within the United States has influenced environmental policies and regulation.
11. Assess the relationship between environmental degradation and the cycle of poverty.
12. Examine and describe the world's natural resources including air (the atmosphere), water (the hydrosphere), soil (the lithosphere) and species (the biosphere).
13. Assess and debate the current state of the world's natural resources and the impacts on human populations.
14. Analyze and explore possible solutions to the current state of the world's resources.

COURSE MATERIALS

Purchase at the De Anza College Bookstore:

[Phone: 408-864-8701 • <http://distance.deanza.fhda.edu/Bookstore.html>]

1. Miller, G.T., *Living in the Environment*, 14th ed.
2. Leopold, A., *A Sand County Almanac*, 1987 ed.
3. Phillips, J., K. Sullivan, *ES 1 Student Packet*, NEW 2005/2006 ed.

MEDIA COMPONENTS AND AVAILABILITY

Ten three-hour *Introduction to Environmental Studies* video programs.

Viewing Options for *Introduction to Environmental Studies (ES 1)* video programs:

- View programs at KC 239 or
- Check out tapes from KC 239 to view overnight at home.
 - ID Card required
 - One tape at a time may be checked out for 48 hours.
 - Return tapes to KC 239 (please report any videotape technical problems).
 - **Late fines: \$2.00/day (maximum fine-\$25.00); replacement/lost tape charge: \$25.00/tape.**

STUDY EACH WEEK'S ASSIGNMENTS

The course content comes from the teleclasses and textbook readings. **You will be tested on information from both the readings and video programs.**

Work on the lessons in the following order:

- a. Read the textbook assignment (prior to the next teleclass).
- b. Watch the teleclass lecture
- c. Complete any required written assignments (see the Assignment Schedule).

COMPLETE THE WRITTEN ASSIGNMENTS

1. **Homework Assignments:** There are four homework assignments from your textbook readings included in your E S 1 Student Packet. The due dates for each assignment are listed in your lecture schedule. These 4 assignments are worth a total of 80 points!
2. **A Sand County Almanac reading assignment:** There is one assignment from Aldo Leopold's book, A Sand County Almanac. Please see your E S 1 Student Packet for the assignment. This assignment is to be included in your Discussion Journal and is worth 20 points!
3. **Student Project:** Each student will develop a Personal Environmental/Sustainability Action Plan for work or home. This is worth 25 points!
4. **Discussion/Lecture Topic Journal:** You are required to keep a weekly journal for this class. **Pick up a journal at KC 239.** The journal should include all discussion topics assigned by the instructor during class time (specifically, journal entry number, date, discussion questions and summary). Discussion sessions are an important component throughout this course and you are encouraged to use the in-class discussion sessions during the teleclass to complete their summaries. This is worth 100 points!
5. **Field trip: Visit John Muir National Historic Site in Martinez. Please pick up information packet from KC 239.** (50 points)
6. Extra Credit Opportunities: (Students may do a maximum of 30 points extra credit)
 - Muir Woods (Marin)- 10 points
 - Pacific Energy Center (San Francisco) – 10 points
 - San Francisco Zoo (Primate Center) – 10 points
 - Local park/outdoor area including: Palo Alto Baylands, Rancho San Antonio, Alviso Education Center, Grant Ranch County Park, Quicksilver/Almaden Park, Henry Coe State Park or other regional/county/city/state/national parks – 10 points

Submitting Assignments: Submit your completed work to KC 2391 or KC 217 with the attached cover sheet completed.

Graded homework is returned for distribution to KC 239 or KC 217, 7 days after its due date. Please present your DASB Photo ID to Learning Resource Center or ES Dept staff to retrieve your work.

TESTING AND GRADING

The one scheduled final take-home exam is an essay format. Review sheets for the final exam are included in the E S 1 Student Packet. The take-home final assignment will be available to students on-line or at KC 239 or KC 217 on the date listed in the lecture schedule below.

Final Grades:

Point Breakdown:

Final Assignment	75
Homework 1–4/SandCo	100
Student Action Plan	25
Discussion Journal	100
Field Trip	50
Meet with instructor	<u>15</u>
<i>Total Points</i>	365 points

Grading Scale:

A	88 – 100%
B	78 – 87%
C	68 – 77%
D	55 – 67%
F	54% & below

You may access your final grades through the Star System [408-777-9394 or 650-917-0509] or the Internet [<https://regserv.fhda.edu/da-grades.html>].

**“There are a lot of things in life that are worth the pain. Being a leader is one of them.”
Ronald Heifetz (author, Leadership Without Easy Answers, 1994)**

**“There are two spiritual dangers in not owning a farm. One is the danger of supposing that breakfast comes from the grocery, and the other that heat comes from the furnace.”
Aldo Leopold, A Sand County Almanac**

“Introduction to Environmental Studies” Lecture Schedule Overview FALL ‘05

Week:	This Week’s Topics	Text Chapters and Pages to Read	Teleclass to View
ASSIGNMENT DUE DATES!			
Teleclass 1: Please contact Julie Phillips during the first two weeks of class by email or phone!	Humans and the Earth/History Environmental Issues, Causes & Sustainability What is Environmental Studies ? What is Environmental Science ? Careers & Our Environment	Chapter 2: All Chapter 1: All Chapter 3: pp 32-36 Chapter 1: pp 6-7 Chapter 27: p 610	1
Teleclass 2: Homework #1 completed in Journal *Either complete homework sheet in student packet or answer in journal!	Agricultural->Industrial -> Environmental Revolution Native Americans and the Land U.S. Environmental History Champions of the Land (Muir) Hetch-Hetchy Debate Guest Speaker	Chapter 2: pp 20-24 Chapter 5: pp 87-90, 94-96 Appendix 4 Chapter 2: pp 24-31 Appendix 2 (A2 – A7)	2
Teleclass 3: Did you contact me or Nichole, Deb or other mentors at KC 239 or Julie Phillips KC 219 Homework #2 completed in Journal	Who do you identify with? Natural Resources Ecosystem Services Developing an Action Plan or your personal Scorecard Guest Speaker	Chapter 11: pp 214-220 Chapter 1: pp 9-11, Appen 5 Chapter 3: pp 52-54 Chapter 4: pp 53-69, 76-81 Chapter 9: p 174	3
Teleclass 4: Homework #3 completed in Journal A Sand County Homework Assignment should be completed and included in your journal by next class! (See page 65 in packet!)	Management/regulation of U.S. Natural Resources Federal EPA & Cal EPA Arctic Wildlife Refuge Debate Endangered Species Act National Parks US National Wilderness System USFS & Status of U.S. Forests Forest Stewardship Council FSC EcoRancher Ecological & Economic Services Guest Speaker	Chapter 16: pp 331, 340-349 Chapter 17: pp 350-377 Chapter 26: p 583 Chapter 12: pp 240-249 Chapter 11: pp 194-210	4
Teleclass 5: Reminder: Your Journal is due one week after you view Class #5! Please turn in journal to KC239 (Journal should include: All journal entries to date; Homework #1, #2 and #3; and A Sand County Almanac)	Environmental Ethics 101 The Land Ethic (Leopold) Toxics Love Canal & Superfund Chernobyl Guest Speaker	Chapter 18: All Chapter 2: p 30 Chapter 24: pp 532-545, 558-561 Chapter 22: pp 491-505 Chapter 22: pp 513-516 Chapter 23: pp 518-522	5

Teleclass 6:	Environmental Politics Environmental Law ; ISO 14000 Clean Air Act Journalism & the Environment Guest Speaker	Chapter 27: pp 605-628 Chapter 21: pp 461-468, 477-484	6
Teleclass 7: Homework #4 is completed in Journal Student Action Plan drafts completed	Economics, Environment & Sustainability Ecological vs conventional views of economic activity Economic worth of Earth's ecological services Natural capital Why care about Biodiversity ? Global Climate Change Debate Human Population Guest Speaker	Chapter 26: pp 583-602 Chapter 12: pp 224-231 Chapter 1: pp 12-18 Chapter 10: pp 176-182	7
Teleclass 8: Student Action Plan should be almost completed!	The Environmental & Wise-Use Movements Clean Production/zero-discharge Low Waste Society Environment Worldview& Ethics Guest Speaker	Chapter 27: pp 605-606, 618-622 Chapter 24: pp 535-537, 560-561	8
Teleclass 9: Reminder: Your Journal is due after you view Class 10! Please turn in to KC 239 or KC 217 (Journal should include: All journal entries to date, Homework #4 and your Student Action Plan)	Oil History Nuclear Power Energy Efficiency & Renewable Technology Mineral Resources The Materials Revolution Sustainable Buildings – Kirsch Guest Speaker	Chapter 18: pp 379-408 (All!) Appendix 5 Chapter 26: pp 597-598 Chapter 25: pp 563-581 Chapter 18: pp 386-391	9
Teleclass 10: Reminder: Your Journal is due after you view Class 10 and by Thursday, Dec 8 to KC 239 Final Assignment available at KC 239 beginning Friday, Dec 2	Sustainable Studies/lifestyles Ecological Restoration Environmental Management Agenda for 21 st Century Green Colleges EcoCity - Davis Careers in a Sustainable Society Guest Speaker	Chapter 28 – relook! Chapter 26: pp 595-596 Chapter 15: p 349	10
Finals Week: Final Exam due by Thurs., Dec 15 or by E-mail: tuleelk@comcast.net Late exams lose 5 points per day. Journals available for pick-up in Fall 2005 at KC239 (Kirsch Center)	Take-home Final Assignment (Available at KC 239 or email at tuleelk@comcast.net) Due back to KC 239 or tuleelk@comcast.net by Thursday, Dec 15		

Environmental Studies Department Homework Cover Sheet
Please make a copy of this cover sheet and attach it to all assignments that
Are turned into Kirsch Center KC 239 or KC 217

E S -001.55 / Phillips / FALL Qtr 2005

Assignment Title: Lecture Journal & Homework

Your Last Name: _____

Your First Name: _____

Your Student ID#: _____

Your telephone number: _____

Your email address:

Total pages included: Cover Sheet + _____ pages

Date assignment submitted: _____

Any comments to instructor about your assignments: