ENVIRONMENTAL STUDIES 1

Introduction to Environmental Studies (Mediated Learning)

Instructor: Jeff Staudinger

ES -001.-56 CRN #00533
Winter 2011 4.0 Units

DE ANZA COLLEGE, DIVISION OF BIOLOGICAL, HEALTH & ENVIRONMENTAL SCIENCES (BHES)
ENVIRONMENTAL STUDIES DEPARTMENT – KIRSCH CENTER FOR ENVIRONMENTAL STUDIES

DESCRIPTION

This mediated learning class (self-paced, independent study learning format) is an interdisciplinary study of the use of the earth’s natural resources by human civilizations, past and present, and the role that economics, ethics, law, history, politics, culture and gender inequity have played in resource use and distribution. This class fulfills general education requirements!

Note: This particular section of mediated learning for ES 1 involves viewing DVDs of Prof. Kristin Jensen Sullivan teach the ES 1 class previously. Students must be able to come to the Stewardship Resource Center (SRC), located on the second floor of the Kirsch Center for Environmental Studies (KC) on campus, to either view the DVDs there or to check them out for viewing elsewhere (note: a two day checkout limit applies).

INSTRUCTOR INFORMATION:

Name: Jeff Staudinger
Office Hours Held: 4:15-5:15 MW and by appt.
Phone/Voicemail #: (408) 864-5318
Office Location: KC 212
E-mail Address: staudingerjeff@fhda.edu
Class Webpage: Access via http://www.deanza.edu/faculty/sullivankristin/

BASIC CLASS REQUIREMENTS:

• Visit the Stewardship Resource Center (SRC) (located on the second floor of the Kirsch Center for Environmental Studies) to access/check-out class DVDs. NOTE: This quarter (Winter 2011), the SRC is ONLY open Monday through Thursday (MW: 8 AM-9PM, TTh:10 AM-9 AM) and is CLOSED Friday through Sunday, so plan accordingly!
• View the ten three-hour teleclasses (Note: Kristin Jensen Sullivan’s DVDs are required viewing for this section – Julie Phillips’ online videostream is NOT an appropriate/acceptable substitute).
• Take appropriate notes in your class journal (which is worth 20% of your grade). You can pick up a blank class journal to use when you first visit the SRC. Journal requirements are spelled out under the “Required Assignments” section of this syllabus.
• Log in and out at the SRC when you receive and return your DVDs (the log in/log out serves as your “attendance” record for the course).
• PLEASE do not checkout DVDs if you cannot return them on time! Please respect your fellow students who also need to view these DVDs.
• Completed all required assignments (journal, homework, reading assignments, field trip, Environmental Action Plan, final assessment) as listed in “Required Assignments” section below.
• Respond in a prompt matter to all my emails (or phone calls) received concerning this class – failure to do so will risk you being dropped from this class as a “non-participant.”
ADVISORIES:
Eligibility for EWRT 1A or ESL 5 is advised. A good attitude and a willingness to learn by problem solving are essential to receiving desirable grades.

OBJECTIVES/COMPETENCIES:
1. Apply science and environmental studies methods, problem solving, and critical thinking techniques to all explored environmental topics.
2. Assess and explore the various career opportunities in the environmental studies field.
3. Analyze the environmental impacts relating to population growth and natural resource use.
4. Be informed of, understand, and assess the four principles of sustainability.
5. Develop an understanding of the history and biodiversity of life on Earth.
6. Discover why human environmental history is essential to study in this course.
7. Compare and contrast the preservationist and conservationist wilderness philosophies.
8. Learn about natural resources, environmental ethics, environmental justice, environmental law and politics, and environmental economics so as to better understand environmental issues.
9. Comprehend and learn how you, other individuals, industry, and government can apply various positive waste prevention and energy management strategies to everyday living.
10. Understand that our survival depends upon maintaining a balance with supporting environments.
11. Analyze and explore various sustainability solutions.
12. Be able to make informed decisions about environmental issues that affect your life.

COURSE MATERIALS

* Note: Copies of the required textbooks are available on reserve at the SRC in the Kirsch Center.

MEDIA COMPONENTS AND AVAILABILITY:
Ten three-hour DVDs (ES 1: Introduction to Environmental Studies taught by Kristin Jensen Sullivan)

DVD Viewing Options:
➢ View at the Kirsch Center (at the SRC) or
➢ Check out from the Kirsch Center SRC to view overnight at home.
  • ID Card required
  • Two DVDs at a time may be checked out for two days (or over the weekend).
  • Return DVDs to the Kirsch Center SRC (please report any technical problems).
  • Late fines: $2.00/day (maximum fine-$25.00); replacement/lost DVD charge: $25.00/DVD.

STUDY GUIDE:
The course content comes from both the teleclasses and the textbook readings. You will be assessed on information from both the DVDs and the readings.

Work on the lessons in the following order:
a. Read the textbook assignment (prior to watching the next DVD).
b. Watch Kristin Jensen Sullivan’s DVDs.
c. Complete the required written assignments (see the Assignment Schedule).
SCHEDULE:
Please see the Class Schedule at the end of this syllabus. Note that the readings are to be read in advance of the corresponding class.

REQUIRED ASSIGNMENTS:
1. Three homework assignments: The homework assignments will be sent to you via email during the quarter. See Class Schedule for due dates. Homeworks are to be handwritten (if physically able). NOTE: Submit your completed homeworks to the SRC.
2. Reading assignment (“A Sand County Almanac“): Please see your ES1 Student Packet, page 115, for this assignment. See Class Schedule for due date.
3. Field trip: There will be one, two-part field trip that will occur on Sunday February 13; the field trip will consist of a guided nature hike followed by a tour of Prof. Kristin Jensen Sullivan’s solar-designed, energy-efficient straw bale house. Further details (directions, exact time, etc.) will be sent to you via email. You MUST fill out a field trip authorization form in advance to attend – the forms will be available at the SRC – fill out the form and return it to me directly (my office is KC 212 – slip it under my door if I’m not in my office). All students are expected to attend the field trip; however, an alternative “field trip” (consisting of completing a multi-part written assignment at the SRC) is available to those students who cannot attend on that particular day.
4. Journal: Journal entries will include DVD information such as lecture notes, concept maps, group work, discussions, thoughts, games, and video questions. Active DVD participation is obviously crucial to the completion of journal entries. The journal should include all discussion topics (specifically, journal entry number, date, discussion questions, summaries). Discussion sessions are an important component throughout this course and off-campus students are encouraged to use the in-class discussion time to complete their summaries. Instructions on journals will be provided on the DVDs. Completion of the journal is mandatory; if no journal is submitted/completed, you will not pass the course.
5. Environmental Action Plan (EAP)- You will receive oral (via the DVD) as well as concise written instructions (contained within the Student Packet) to assist you in completing this assignment. Example student-written EAPs are also available at the Kirsch Center SRC for your review.
6. Final assessment: Covers the material presented in the DVD lectures and your associated journal entries. The final assessment is an individual exam that will be given at the SRC during Finals Week (with the exact date/time provided to you later in the quarter). I will email you a study guide one week prior to your taking the final assessment.

Submitting Assignments: Submit your three homework assignments to the SRC; submit all other assignments (“A Sand County Almanac” reading assignment, Class Journal, and Environmental Action Plan) to me (I’m in KC 212- slip items under my door if I’m not in my office at the time).

GRADING CRITERIA:
Points Breakdown: Grading Scale:
Homework (3 assignments) 75 (25 each) A 88-100%
Sand County Almanac Assignment 50 B 78-87%
Field trip 50 C 68-77%
Journal* 100 D 58-67%
Environmental Action Plan 75 F 57% and below
Final Assessment 100
450 pts TOTAL

* General Journal grading criteria: Complete, neat, organized, etc.
ADDITIONAL INFORMATION/POLICIES

1. **General Information** - Please be prepared to dedicate sufficient time and energy to this course (~ 10 hours per week). Students are expected to check the lecture schedule daily.

2. **Fundamental values of academic integrity** - This class is based upon **honesty, trust, respect, fairness, and responsibility**. I always appreciate your cooperation. As in all classes, cheating and plagiarism are **not tolerated**; there will be consequences! **Plagiarism** means copying someone else's work and presenting it as your own, without giving credit to the author. **Cheating** means using unfair means to fulfill an assignment or assessment, such as having someone else do your work for you. What will happen if you plagiarize or cheat: (a) you will not be learning anything, (b) you will receive an “F” on the assignment or assessment without the option to redo it; (c) the instructor will ask to meet with you to discuss the issue; (d) your name will be given to the Dean of Students; (e) you may receive an “F” in the course and have other severe future college(s) consequences.

3. **Safety and Evacuation Procedure** - Please know the correct procedures to follow in the case of an earthquake or another emergency.

4. **Exam, Homework, Add/Drop Rules, Grades**
   a. **The final assessment must be taken ALONE during the scheduled time** (except under extraordinary circumstances). You cannot pass the course without taking the final assessment. In the event of an illness or emergency on the day of the final assessment, you have 24 hours to notify me of your circumstances on my office phone.
   b. **Homework assignments** are due at the dates listed in the lecture schedule. DO YOUR OWN WORK! Late homework will not be accepted (except under extraordinary circumstances). DO NOT PLAGIARIZE OR CHEAT or there will be negative consequences (see #2 above!)
   c. **Add/drop** - See policies and procedures in the “Schedule of Classes.” It is your responsibility to follow add/drop rules.
   d. **Grades** - You may access your final grades online through the My Portal system.

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*Be the change you want to see in the world.*  
Mahatma Gandhi
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<thead>
<tr>
<th>Week:</th>
<th>Assignment Due Dates</th>
<th>This Week’s Topics</th>
<th>Textbook Readings</th>
<th>Student Packet Readings</th>
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<tbody>
<tr>
<td>Week 1 (1/3-1/7):</td>
<td>• Pick up a blank journal and a field trip form from the KC SRC • Field Trip forms MUST be submitted prior to the Field Trip on Sunday, Feb. 13 – place completed form under my door (KC 212).</td>
<td>Environmental Issues, Causes &amp; Sustainability</td>
<td>Ch. 1: - Review course syllabus &amp; Withgott/Brennan reading list below. - pp. i-ii (Our Island Earth), - pp. 8-9 (Nature of Environmental Science) - pp. 10-15 (Nature of Science-critical thinking, scientific method), - pp. 15-20 (Sustainability)</td>
<td>- pp. i-ii - pp. 1-7</td>
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<td>Week 3 (1/17-1/21):</td>
<td>• View Teleclass #2 • Sat., 1/22: Last day to drop the class with no record of grade (no “W”)</td>
<td>History of Life on Earth; Biodiversity</td>
<td>Various Chapter Pages: - pp. 57-62, 68-69, App. D (Evolution) - pp. 52, 55, 71-73 (Biodiversity) - pp. 138-140 (Worldviews), - pp. 225-227 (Agricultural societies, industrialized agriculture)</td>
<td>- pp. 42-44</td>
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<td>Week 4 (1/24-1/28):</td>
<td>• View Teleclass #3 • Homework #1 Due – Hand In to the SRC</td>
<td>Native Americans, Environmental History/Leaders</td>
<td>Ch. 6: - pp. 142-146 (Ethics, leaders) Ch. 12: - pp. 319 (Fig. 12.7) (Forest maps)</td>
<td>- pp. 45-52 - pp. 26-27 - p. 53</td>
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<td>Week 5 (1/31-2/4):</td>
<td>• View Teleclass #4 • FIELD TRIP FORM DUE – place completed form under my door (KC 212)</td>
<td>Environmental Records, Philosophies, Natural Resources</td>
<td>Ch. 6: - pp. 142-146 Ch. 1: - pp. on Natural Resources</td>
<td>- pp. 54-58, 133, 143-144</td>
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<td>Week 6 (2/7-2/11):</td>
<td>• View Teleclass #5 • FIELD TRIP THIS WEEKEND – Sun, Feb. 13. • Bring Your Journals With You To The Field Trip - To Take Notes And Also To Hand In To Me For A “Journal Check”!!!</td>
<td>Management/Regulation of U.S. Natural Resources</td>
<td>Ch. 12: - pp. 314-322 (Forests) - pp. 326-340 (Public Lands, Climate Change) Ch. 19: - pp. 529-531, 542-543, 555 (Arctic National Wildlife Refuge)</td>
<td>- pp. 85-90 - pp. 149-150</td>
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<td>Week 7 (2/14-2/18):</td>
<td>• View Teleclass #6 • Homework #2 Due – Hand in to the SRC.</td>
<td>Arctic National Wildlife Refuge Debate-Continued Environmental Ethics</td>
<td>Ch. 6: - pp. 136-146 (worldviews, ethics, ecofeminism, environmental justice)</td>
<td>- pp. 85-90 - pp. 149-150</td>
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<td>Week:</td>
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<td>Student Packet Readings</td>
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<td><strong>Student Packet Readings</strong></td>
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<td>• View Teleclass #7</td>
<td>• Love Canal</td>
<td><strong>Ch. 22:</strong> -pp. 639 (Love Canal)</td>
<td>-pp. 15-20</td>
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<td>• <em>Reading Assignment (A Sand County)</em> Due – Place under my door (KC 212)</td>
<td>• Environmental Justice</td>
<td><strong>Ch. 6:</strong> -pp. 144-146 (environmental justice)</td>
<td>80-83</td>
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<td>• Fri, 2/25: Last day to drop the class with a “W”</td>
<td>• Environmental Law/Policy</td>
<td><strong>Ch. 7:</strong> -pp. 166-185 (Environmental Policy, Law)</td>
<td>-Read R. Bullard essay on the Internet (Warren County)</td>
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<td>• Guest Speaker</td>
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<td><strong>Week 9 (2/28-3/4):</strong></td>
<td>Environmental Politics</td>
<td><strong>Textbook Readings</strong></td>
<td>-p. 91-94</td>
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<td>• View Teleclass #8</td>
<td>• Our Political System; Living Democracy</td>
<td><strong>Ch. 7:</strong> -pp. 185-192 (Science, Environmental Policy)</td>
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<td>• Homework #3 Due – Hand in to the SRC.</td>
<td>• Energy, Global Warming</td>
<td><strong>Ch. 21:</strong> -pp. 589-613 (New Renewable Energy Alternatives: solar, wind, geothermal, hydrogen)</td>
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<td>• Guest Speaker</td>
<td><strong>Ch. 18:</strong> -pp. 512-525 (Global Climate Change)</td>
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<td><strong>Week 10 (3/7-3/11):</strong></td>
<td>Economics, Natural Capital, Environment &amp; Sustainability</td>
<td><strong>Textbook Readings</strong></td>
<td>-pp. 95-102</td>
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<td>• View Teleclass #9</td>
<td>• Ecological vs. Conventional Worth of Earth’s ecological services</td>
<td><strong>Ch. 6:</strong> -pp. 146-163 (Economics)</td>
<td>-pp. 3,121-122,148-149,156-161 (Ecosystem Services)</td>
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<td>• <em>Student Action Plan Due</em> – Place under my door (KC 212)</td>
<td>• Env. Issues: Industrial and Env. Revolutions; Env. vs. Anti-Env. Movements.</td>
<td><strong>Ch. 8</strong> -pp. 196-205, 211-220 (Human Population)</td>
<td>-pp. 418-428 (Fresh Water-solutions to depletion)</td>
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<td>• Guest Speaker</td>
<td><strong>Ch. 15:</strong> -pp. 471-476, 486-490 (Clean Air Act and Air Pollution)</td>
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<td>• View Teleclass #10</td>
<td>• Waste Prevention/Reduction</td>
<td><strong>Ch. 19:</strong> -pp. 528-530, 533-537, 542-543, 550-557, 561-564, 568-569, 570-573, 576-586 (Fossil Fuels, Their Impacts, Energy Conservation, Conventional Energy Alternatives)</td>
<td>-pp. 103-107</td>
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<td>• <em>Journal is Due Thursday, 3/17-No Exceptions!</em> – Place under my door (KC 212)</td>
<td>• Energy: Renewables, Efficiency</td>
<td><strong>Ch. 20:</strong> -pp. pp. 643-644, 648, 650-653, 658-661 (Minerals and Mining)</td>
<td>-Kirsch and Green Building Information (pp. 155-168 )</td>
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<td>• Review the Study Guide That I Will Send You For The Final Assessment</td>
<td>• Kirsch Center for Environmental Studies</td>
<td><strong>Ch. 13, 24:</strong> -pp. 343-366 (Creating Livable and Sustainable Cities)</td>
<td>-p. 109</td>
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<td>• Guest Speaker</td>
<td><strong>Ch. 17:</strong> -pp. 664-687 (Sustainable Cities)</td>
<td>-www.greenfacts.org/ecosystems/</td>
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<td>• Agenda for 21st Century</td>
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<td>• Eco-Colleges, Eco-cities, Eco-Careers</td>
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<td>• Sustainable Studies/lifestyles</td>
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<td><strong>Week 12 (3/21-3/25): FINALS WEEK</strong></td>
<td>Final Assessment</td>
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<td>Final Assessment Study Guide</td>
<td><strong>Student Packet Readings</strong></td>
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