

EnvS 152
Globalization and the Environment
Spring 2007; section 1: T 4:30-7:15 DMH 164
and section 2: Th 4:30-7:15 DMH 208

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Course Website: <http://www.sherinb.net/sjsuenvs152>

Prerequisites: SJSU requires the completion of all Core GE courses, passing WST score, and upper division standing (56 units completed) to enroll in Advanced GE.

Course Description: This course is about the intertwining issues of global trade, commerce and packaging, poverty, the environment, and the interplay of science and social science. We will study the implications of global trade on the environment, poverty, human rights, human health, and the national and international politics of these issues. We will also address the science used in the design and manufacturing of products, including chemical and physical properties of goods and how this relates to international trade and environmental issues. We will also investigate the affect of international regulations and trade agreements on the design of products and associated concerns about waste reduction, recycling, energy consumption, resource efficiency and the role of science to accomplish these goals.

Texts - Required

1. Web sites to be consulted in research will be discussed in class.

Texts – Recommended

1. Esty, Daniel & Winston, Andrew. (2006) Green to Gold – How Smart Companies Use Environmental Strategy to innovate, Create Value, and Build Competitive Advantage. Yale University Press, New Haven, CT.
2. Friedman, Thomas, L. (2005) The World is Flat. Farrar, Straus and Giroux.
3. Lewis, H, Gertsakis, J., et al (2001). design + environment — a global guide to designing greener goods, Greenleaf Publishing, Ltd. Sheffield, UK. The book is available via <http://www.greenleaf-publishing.com/catlogue/dplusenv.htm> . About \$48, 5-12 working days to ship.
4. International Standards Organization (2004). Environmental Management Systems – General Guidelines on principles, systems, and supporting techniques. IOS, Geneva.
5. Stillwell, J.E., Canty, R.C., Kopf, P.S. and Montrone, A.M. (1991). Packaging for the Environment – a partnership for progress, American Management Association, New York.

6. Selke, S.E.M. (1994). *Packaging and the Environment*, 2nd. Ed., Technomic Publishing Co., Lancaster, PA.
7. Miller, G. Tyler (2004) *Living in the Environment*, 13th Ed. Wadsworth Publishing. *Note: This text is critical resource for those students without a significant educational background on environmental issues.*
8. A Miniature Guide for Students on How to Study and Learn. Order this pamphlet on www.criticalthinking.org. It's about \$6 and could be the best \$6 you spent in college!

Course Schedule

Classroom discussions, exams, lectures, and reading assignments, and due dates are on the accompanying *Environmental Studies/Packaging 152 Schedule*.

Student Responsibilities

Attend each class meeting, keep up with the assignments and readings, and be respectful of course schedule. This course is carefully constructed to build knowledge from each meeting and activity. There is also a significant group project. Missing a class causes disruption to this cycle of learning. So, be a responsible class member, work hard, learn a lot, and have some fun too. Here are other recommendations:

- Come to each class *prepared to discuss the readings and to ask questions*.
- Be ready to actively participate in learning.
 - Ask questions, provide opinions, and respond to questions asked in class.
- Attend each class to pick up class handouts.
- Take good notes. You'll need them to the final papers.
- Take the time to edit your work and write quality assignments.
- Pay close attention to details in the schedule including due dates. They may change, so be aware of this too.
- Read assignment instructions carefully and *seek clarity if you have questions*.
 - Start work immediately on assignments once they are received. If you have questions don't wait until the "last minute" the assignment is due to ask.
- Turn assignments in on time (there are significant penalties if you don't—see next page).
- Please complete the University library's online plagiarism tutorial. Log on to:
 - http://www.sjlibrary.org/services/literacy/info_comp_plagiarism.htm.
 - From there, select the topic "online tutorials" and move through the system.
- Students are expected to follow the honor code in all aspects of their work in the course, written and oral. In other words, please don't be tempted to copy the work of others and please treat each other with respect or there will be consequences as stated in the SJSU policies.

Campus Policies

Academic Integrity (from the Office of Judicial Affairs)

Your own commitment to learning, as evidenced by your enrollment at San Jose State University, and the University's Academic Integrity Policy requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the Office of Judicial Affairs. The policy on academic integrity can be found at the SJSU web site.

Campus Policy in compliance with the Americans with Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the DRC to establish a record of their disability.

Other-Adds/Drops/Plagiarism

Students are responsible for understanding the policies and procedures about add/drops, academic renewal, withdrawal, etc. which are found on the SJSU web site. As appropriate to the course, a definition of plagiarism can be found on the SJSU Judicial Affairs website.

Office Visits

Please see one of the instructors of this course as soon as you think you need advice or have a problem. If you would like to discuss an issue of the course, an assignment, have a personal issue or have questions about a major or minor in Environmental Studies then please see one of us after class or call or email us to schedule an office visit. We are reasonable people who will work out reasonable solutions. However, time management problems are not reasonable requests.

Course Format

The course has been designed with a mix of activities to keep the material interesting and the students engaged in learning. The schedule lists lectures, a library visit and research project, a group assignment and presentation, in-class writing, individual papers and topical summaries, a video, and a group comprehensive presentation and a final exam. There will likely be unscheduled activities as well, such as discussions of news items about trade issues and breaking science/environment stories.

EXAMS, ASSIGNMENTS, EXTRA CREDIT, AND COURSE SCHEDULE

Multiple assignments reduce the stress of having to perform well on infrequent, high point value single-style exams/assignments. Assignments are designed to build the knowledge of environmental trade issues and the applied use of related science of chemical, physical and math skills progressively, leading to a comprehensive final essay and a final exam. The goal is to provide a mechanism for students to “learn by doing.” In addition to lectures, students will conduct research and express what they learn in a variety of formats: essays, brief topical summaries, group work and presentations, mathematical and science homework assignments, and the group comprehensive presentation and final examination.

ASSIGNMENTS

Specific instructions will be distributed for each assignment listed in the table on the following page. Expectations for writing include citing primary sources, following rules on avoiding plagiarism, formatting according to instructions, and showing work on the math/science based homework assignments.

Due Dates, Late Papers and Make-Up Exam Policies

Assignments are due in class or by email, within 10 minutes of the beginning of class. Late papers will be assessed a 10% penalty if they are received after that time, and for *each late day including weekends*. For example, a paper turned in ten minutes after the start of class on the due date will be assessed a 10% penalty (10% of the highest possible score). A paper

that is three days late will be assessed a 30% penalty. EXCEPTIONALLY good reasons for accepting a late paper, without penalty, will be considered within published University policies. Make-up exams and homework will be considered for extreme hardship cases only. Assignment due dates will be communicated in class. **YOU ARE RESPONSIBLE FOR DETERMINING IF ASSIGNMENT DATES HAVE CHANGED** by attending class and/or communicating with your fellow students.

ASSIGNMENTS LISTED IN CHRONOLOGICAL ORDER

↓ Record your scores here

Points	Points	<u>NOTE: SEE SEPARATE HANDOUTS FOR SPECIFIC INSTRUCTIONS.</u>
	5	<u>Topical Summary (TS), Global Poverty:</u> In addition to learning about the issue the assignment is designed to teach how to organize literature reviews into essays. It is intended as a mechanism to obtain and concentrate key elements from readings into a format that clearly identifies issues, terms and to identify potential solutions from a reading. Additionally, this assignment prepares students for “deeper” projects later in the semester.
	5	<u>Topical Summary, Industrial Ecology:</u> Same format as above, on the science, technology, and social issues of industrial ecology.
	5	<u>Topical Summary Rewrite:</u> One original TS may be rewritten and resubmitted.
	5	<u>Project Paragraph:</u> Students will prepare a two-to-four paragraph description of the trade organization or concept they would like to study as part of a group project.
	0	<u>Group Project Outline (Schedule):</u> This is a simple in class writing assignment to get groups organized and to define specific member responsibilities (who will do what when?). No points will be earned, but points will be deducted if it is not turned in.
	5	<u>In-Class Writing:</u> To prepare for our foray into global trade and the distribution of goods, students will write an in-class essay on the issues of how the <i>science</i> of industrial ecology can impact the social and environmental issues and poverty (addressed in the first course lecture and in your first topical summary on global poverty).
	0	<u>Draft Group Topical Summary:</u> Provide a list of key terms, issues and information sources. Points will be deducted from each group member if this is not turned in.
	5	<u>Group Topical Summary (TS):</u> Using the same TS format as above, groups will prepare a Topical Summary (TS) for distribution to the class about a global trade organization or scientific issue related to trade.
	5	<u>Group TS Presentation:</u> Each group will provide a brief presentation to “teach” the class about a global trade organization, trade/technology related issue. Group presentations will be graded by an average of the score of the class, an average of the group’s self score, and of the teacher’s evaluation.
	20	Math/Science homework assignments: Students will be given approximately 4 homework assignments that will be due at the beginning of the next class.
	15	<u>Comprehensive Paper:</u> Student will review and analyze all components of the course in a comprehensive final that illustrates a corporate environmental sustainability program with regards to product and packaging design for environment. The paper should be no more than 5 pages in length.
	15	<u>Final Presentation:</u> This is a group effort that requires groups to show their understanding and mastery of the issues of the entire course as they describe as many social, political, environmental, and scientific issues as possible in a hypothetical but realistic situation as a product is conceived, packaged, and distributed from one country to another.
	15	<u>Final Exam:</u> The final exam will consist of about 30 short answer and multi-choice questions that will cover elements from the entire course.

GRADING

The course grade will be determined from earning up to 100 possible points from the assignments as listed below. Accumulated points that fall within the grade scale below determine your semester grade. Points are not added or deducted because of “personality traits.” We may, however move a grade up by one-third of a grade if a student has turned all assignments, showed improvement throughout the course, and attended regularly.

96.8 - 100	A+	83.4 - 86.7	B	70.0 - 73.3	C-
93.4 - 96.7	A	80.0 - 83.3	B-	63.3 - 69.9	D+
90.0 - 93.7	A-	76.8 - 79.9	C +	56.7 - 63.2	D
86.8 - 89.9	B+	73.4 - 76.7	C	50.0 - 56.6	D-