Syllabus CE599
Principles of Sustainable Development: Spring 2012

Texts:

Peter P. Rogers, Kazi F. Jalal, and John A. Boyd. *An Introduction to Sustainable Development*, Earthscan, 2008 (Text 2)


Location: KAP 141 Class Time: Thursday 6:30-9:10 PM

Professor: Daniel F. Duran, PhD.

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Office Hours: 5:00-6:00 PM Website: TBD

Course Overview: Principles of Sustainable Development (SD)

Please note that this syllabus will be updated before the first week of class and will be available via Blackboard

The world has changed dramatically during the last century, both technologically and socially. We have seen dramatic increases in average lifespan in many countries, the growth of multinational businesses, the depletion of national and natural resources, and the tremendous advances in technology and production capacity in many countries. We are also witnessing the emergence of a “Green” economy and the development of new career paths for students and professionals alike who are ready to engage and participate in the “Green” revolution as business professionals, civic leaders, and educators in what is currently and promises to remain for the indefinite future the fastest growing sector in our economy.

This course is designed to serve as a foundation course for graduate studies in Sustainable Development. “Principles of Sustainable Development” will introduce to students the core concepts, principles and practices of sustainable development (SD). It examines the environmental, economic, and social dimensions of SD by focusing on changing patterns of consumption, production, and distribution of resources. This course includes an international focus and examines the impact of globalization, the role of the private sector, and NGOs. This course also considers the evolving models of the economic evaluation of SD initiatives and programs.
We will examine SD and the associated economic and environmental issues by focusing on the growth and needs of human populations and the associated environmental impact over time, the at times conflicting and merging forces of globalization on SD, and attention to some of the past and current management methods associated with SD. Consideration will be given to the driving forces that influence SD with special reference to the impact on water resources, energy sources and uses, and waste management.

Students with little to no actual experience or background in SD will become familiar with the core concepts and models associated with SD and those students who have some experience in this area will benefit by expanding the breadth and depth of their understanding of SD.

**Course Objectives and Learning Goals**

The core course objectives and learning goals for this course include:

- Basic understanding of the historical evolution and impact of SD in the US and abroad
- The critical assessment of alternative approaches to SD based on an understanding of the fundamental environmental and economic concepts and principles of SD
- The enhancement of research skills, writing and presentation skills on SD models, initiatives, and outcomes for developed and developing nations
- A basic understanding of the influence of national cultures, diverse political systems, interest groups, social movements and other social structures on SD
- An appreciation for the impact of business based operational systems, management philosophies, ethical considerations and decision making styles in respect to SD to support career development

**Course Outline:**
*Please check the weekly course outline provided in Blackboard as it will contain updates to texts, assignments, and due dates.*

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Class Subject Material and Test Schedule</th>
<th>Chapter (CH) Assignments</th>
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<tbody>
<tr>
<td>TBD</td>
<td>Week1</td>
<td>Introduction and Overview&lt;br&gt;Chapters 1-4: Text 1&lt;br&gt;Chapter 1-3: Text 2&lt;br&gt;Chapters 1-3: Text 3&lt;br&gt;Student perceptions of and engagement with SD</td>
<td>CH 1-4 (Text 1)&lt;br&gt;CH 1-3 (Text 2)&lt;br&gt;CH 1-3 (Text 3)&lt;br&gt;Advanced Internet Research Assignment Reviewed&lt;br&gt;Team Assignments and Overview of Team Discussion on Team Presentations (Cycles 1-3)</td>
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<td>Day</td>
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| TBD  | Week 2| Chapters 5-6: Text 1  
Chapters 4-5: Text 2  
Chapters 1-3: Text 2  
Selected Materials (on-line) | CH 5-6 (Text 1)  
CH 4-5 (Text 2)  
CH 4-5 (Text 3)  
Advanced Internet/Research Assignment Due  
Overview of SD Philosophy  
Assignment and Resume |
| TBD  | Week 3| Chapters 7-8: Text 1  
Chapter 6: Text 2  
Chapters 6-7: Text 3  
Cycle 1: Teams 1 and 2 Present  
**QUIZ 1 and Homework Assignment: SD Philosophy and Resume [with picture] Due Week 4** | CH 7-8 (Text 1)  
CH 6 (Text 2)  
CH 6-7 (Text 3)  
Review of Homework Assignment |
| TBD  | Week 4| Chapter 9-10: Text 1  
Chapter 7: Text 2  
Chapter 8: Text 2  
Guest Speaker: Energy Efficiency | CH 9-10 (Text 1)  
CH 7 (Text 2)  
CH 8 (Text 3) |
| TBD  | Week 5| Chapter 11-12: Text 1  
Chapter 8: Text 2  
Chapter 9: Text 3  
Selected Materials (On-line) | CH 11-12 (Text 1)  
CH 6 (Text 2)  
CH 9 (Text 3)  
Overview of Cycle 2 Team Assignment |
| TBD  | Week 6| Review of Material to Date | Review for Midterm |
| TBD  | Week 7| Midterm Examination | |
## Class Subject Material and Test Schedule

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<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Class Subject Material and Test Schedule</th>
<th>Chapter (CH) Assignments</th>
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<tr>
<td>TBD</td>
<td>Week 8</td>
<td>Chapters 9-11: Text 2</td>
<td>CH 9-11 (Text 2)</td>
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<td>Selected Materials (On-Line)</td>
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<td>TBD</td>
<td>Week 9</td>
<td>Guest Speaker: MWD and/or DWP on Renewable Resource Portfolio Mgmt.</td>
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<td>Cycle 2: Teams 1-4 present</td>
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<tr>
<td>TBD</td>
<td>Week 10</td>
<td>Chapter 12-13: Climate (Text 2)</td>
<td>CH 12-13 (Text 2)</td>
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<td>Quiz # 2</td>
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<tr>
<td>TBD</td>
<td>Week 11</td>
<td>Chapter 14: Text 2</td>
<td>CH 13 (Text 2)</td>
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<td>Guest Speaker: NRDC</td>
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<td>Team Oral Presentations</td>
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<td>Tue</td>
<td>Week 12</td>
<td>Final Exam</td>
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<td>Term Papers Due</td>
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Spring break week not reflected above.

## Course Policies

### Examinations and Papers

There will be two quizzes, two team presentations, a mid-term essay examination, a and a final research paper.

All examinations will be closed book, unless otherwise noted. Notes will not be allowed, unless otherwise noted. Make-up examinations will be given under extraordinary circumstances only. Honor system is observed.

### Grading/Values:

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<tr>
<th>Classroom Component</th>
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<tr>
<td>Classroom Participation &amp; Individual Contributions</td>
<td>15%</td>
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<td>Midterm</td>
<td>15%</td>
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<td>Final</td>
<td>25%</td>
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<tr>
<td>Paper and Oral Presentations</td>
<td>25%</td>
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<td>Quizzes</td>
<td>20%</td>
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<td>A- to A+ = &gt; 90%</td>
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<td>B- to B+ = &gt; 80%</td>
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<td>C- to C+ = &gt; 70%</td>
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<td>D- to C = &gt; 60%</td>
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<tr>
<td>Or “Weighted Curve”</td>
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Note: Quizzes and tests cannot be made up without prior authorization from the Professor. Missed quizzes and tests will count as a zero. Please note that returned paperwork, unclaimed by a student, will be discarded after 4 weeks and hence, will not be available should a grade appeal be pursued following receipt of his/her grade.

**Course Methodology and Protocols**

The core concepts will be covered via diverse reading assignments, lectures, team presentations, individual contributions, scheduled examinations, a term paper, an oral presentation and one or two possible field trips.

This course will be heavily interactive in that students are expected to engage in discussion and team research and presentations.

It is anticipated that at least three guest speakers from leading edge firms, public agencies, and not-for-profit organizations will stimulate discussion on the core concepts, models, and initiatives being undertaken in the greater Los Angeles area.

Attendance is crucial and tardiness is not acceptable nor will absences unless legitimately excused via prior to class e-mail and/or telephone contact.

**Statement for Students with Disabilities**

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me as early in the semester as possible. Your letter must be specific as to the nature of any accommodations granted. DSP is located in STU 301 and is open 8:30 am to 5 pm, Monday through Friday. The telephone number for DSP is (213) 740-0776.

**Academic Integrity**

The University, as an instrument of learning, is predicted on the existence of an environment of integrity. As members of the academic community, faculty, students, and administrative officials share the responsibility for maintaining this environment. Faculties have the primary responsibility for establishing and maintaining an atmosphere and attitude of academic integrity such that the enterprise may flourish in an open and honest way. Students share this responsibility for maintaining standards of academic performance and classroom behavior conducive to learning process.

Administrative officials are responsible for the establishment and maintenance of procedures to support and enforce those academic standards. Thus, the entire University community bears the responsibility for maintaining an environment of integrity and for taking appropriate action to sanction individuals involved in any violation. When there is a clear indication that such individuals are unwilling or unable to support these standards, they should not be allowed to remain in the university.” (Faculty Handbook, 1994:20)
Please note that academic dishonesty includes the following: (Faculty Handbook, 1994:21-22)

1. Examination behavior – any use of external assistance during an examination shall be considered academically dishonest unless expressly permitted by the teacher.

2. Fabrication – any intentional falsification or invention of data or citation in an academic exercise will be considered a violation of academic integrity.

3. Plagiarism – the appropriation and subsequent passing off of another’s ideas or words as one’s own. If the words or ideas of another are used, acknowledgement of original source must be made through recognized referencing practices.

4. Other Types of Academic Dishonesty – submitting a paper written by or obtained from another, using a paper or essay in more than one class without the teacher's express permission, obtaining a copy of an examination in advance without the knowledge and consent of the teacher, changing academic records outside of normal procedures and/or petitions, using another person to complete homework assignments or take-home exams without the knowledge or consent of the teacher.

5. The use of unauthorized material, communication with fellow students for course assignments, or during a mid-term examination, attempting to benefit from work of another student, past or present and similar behavior that defeats the intent of an assignment or mid-term examination is unacceptable to the University. It is often difficult to distinguish between a culpable act and inadvertent behavior resulting from the nervous tensions accompanying examinations. Where a clear violation has occurred, however, the instructor may disqualify the student’s work as unacceptable and assign a failing mark on the paper.