ENVIRONMENTAL STUDIES 69

Energy Reliability And Your Organization

Instructor: Steve Murphy

ES -069.-62Z/65Z Fall '02 Call #2535
1.0 Unit

Description
This new live video conference class is an overview of the topic of Energy Reliability and its importance in today’s society, including future implications, and discussion of careers and impact on modern culture and society. This module introduces the subject of reliability of today’s energy systems and related operational and conservation issues.

On-line Class Folder
www.deanza.fhda.edu/faculty/murphy/es69/

Prerequisites
Eligibility for English 100A; Reading 201; ESL 161-163 is advised.

Instructor Information: Steve Murphy
Office Hours Held: From Tuesday, October 1 to Tuesday, October 15
Days/Hours: From: 5:00 pm – 5:30 pm
Tuesday evening prior to class

Phone/Voicemail #: (408) 395-6299
FAX Telephone(s): (408) 864-8245, (408) 864-5546
Office Location: LCW 26
E-mail Address: mrph@gte.net

Requirements
Be prepared to spend 3 hours per week attending class and using and studying the course materials.

For Section 62Z:
1. Read over the Online Orientation and submit the Student Information Form by Tuesday, October 1 by 12:00 noon. (Online Orientation may be found at: http://distance.deanza.fhda.edu/). The last day to add the class October 1.

For Section 65Z:
2. Note: There is no Online Orientation for Section 65Z. Please attend the First Class Meeting on October 1, 6:00–9:00 PM, Room LCW-26.

For Sections 62Z and 65Z:
3. Participate in the three three-hour video classes.
4. Complete one three-hour field trip or lab activity (assignment to be announced).
5. Complete all reading assignments.
6. Complete class assignments.
7. Complete activities associated with supplemental lab activity.
8. Complete and turn in Class Journal/Notes as assigned.
9. Sign up for the class listserv. Go to http://distance.deanza.fhda.edu/, click on “List Subscription” find your class in the list and sign up.

OBJECTIVES
After completing the reading assignments and participating in the video programs, you should be able to:
1. Review and discuss energy management and energy reliability issues.
2. Identify and understand the value of managing energy within an organization including its impact on the various cultures, ethnic and gender groups.
3. Assess strategies for development and implementation of an energy management action plan.
4. Better understand the importance and need for backup power generation systems and how they are implemented to supplement today’s building energy systems.

COURSE MATERIALS
The course materials for off-campus and on-campus students will be at: www.deanza.fhda.edu/faculty/murphy/index.html/

MEDIA COMPONENTS AND AVAILABILITY
Three three-hour Energy Reliability and Your Organization video programs.

Viewing Options for Energy Reliability and Your Organization video programs.
1. AT&T subscribers may view the class live on CCN1.
2. A videotape of the class may be made for later viewing.
3. On-site (De Anza) Students check out tapes from the Open Media Lab to view overnight at home.  
   SMART DASB Card required. The Smart Card Office is located in the lobby of the Administration building (408-864-5551).
   DLC ID Card required (available at the De Anza College Distance Learning Center, LCW-102).
   One tape at a time may be checked out for 3 days.
   Return tapes to Open Media Lab or in the drop box outside of Learning Center West (please report any videotape technical problems).
   Late fines: $2.00/day (maximum fine-$25.00); replacement/lost tape charge: $50.00/tape.

Emerging Learner is a short television series (three half-hour lessons) designed to help students learn to become better distance learners. It will be shown on the Community College Network 1 cable channel on Mondays, September 30, October 7 and 14; from 8:00–9:30 AM. Emerging Learner is also available for checkout from the Open Media Lab. Call #: pv DLC 1.

STUDY EACH WEEK’S ASSIGNMENTS
The course content comes from the teleclasses and assigned readings. Your activities will from both the readings and video programs. If, for any reason, you miss a video program during the assigned week, you should still keep current with your reading assignments.
Work on the lessons in the following order:
a. Read the textbook assignment (prior to the class).
b. Participate in the video conference lecture:
   1) at your receive site, or
   2) on videotape in the Media Lab, in the De Anza Learning Center, or
   3) on videotape checked out from the Media Lab (limited copies) to view at home.
c. Complete any required written assignments (see the Assignment Schedule).
COMPLETE THE WRITTEN ASSIGNMENTS

1. **Homework Assignments:** There is 1 homework assignment and a final “Energy Reliability Presentation/Research Activity”. Student “Class Journals/Folders” also need to be turned in for credit. The due dates for each assignment are listed in your lecture schedule.

2. **Lab Activity:** Your lab is scheduled (Field Trip time and place TBD). Your lab activity will be at your specific school site.

**Submitting Assignments:** [copy and attach the cover sheet on the last page of this syllabus]:
- Turn in your paper at the Distance Learning Center, room LCW-102. During regular hours drop them into the Homework Drop Box inside the office and sign in your name on the "Student Coursework Sign-In-Sheet” so there is a record of your paper being turned in there. After hours, drop them into the Homework Drop Box located by the Distance Learning Center back door (facing the California History Center).
- Mail your paper to: Julie Phillips, De Anza College Distance Learning Center, 21250 Stevens Creek Blvd., Cupertino, CA 95014
- FAX your paper to either of the two Distance Learning Center FAX machines: (408) 864-5546, or (408) 864-8245.

Graded homework is returned for **On-campus Students** to the DL Center for distribution about 7–10 days after its due date. Please present your DASB Photo ID to the Distance Learning Center staff to retrieve your work. **Off-campus Students** send a self-addressed, stamped envelope along with your assignment and your homework will be returned.

**TESTING AND GRADING**

**Final Grading and Point Breakdown:**

<table>
<thead>
<tr>
<th>Points Breakdown</th>
<th>GRADING SCHEDULE</th>
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</thead>
<tbody>
<tr>
<td>Class attendance/participation 10</td>
<td>A 90 – 100%</td>
</tr>
<tr>
<td>Homework 1 (50 ea) 20</td>
<td>B 80 – 89%</td>
</tr>
<tr>
<td>Lab Activity Report 10</td>
<td>C 70 – 79%</td>
</tr>
<tr>
<td>Class Journal/Folder 20</td>
<td>D 60 – 69%</td>
</tr>
<tr>
<td>Final Presentation/Report 40</td>
<td>F 59% &amp; below</td>
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<tr>
<td><strong>Total Points</strong> 100 points</td>
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**Policy on Copying and Cheating:**

_Students who submit the work of others as their own or cheat on exams or other assignments receive a failing grade in the course and are reported to college authorities._

You may access your final grades through the Star System [408-777-9394 or 650-917-0509] or the Internet [http://regserv.fhda.edu/da-grades.html].
**“Energy Reliability and Your Organization” Assignment Schedule**  
**Fall ‘02**

<table>
<thead>
<tr>
<th>Week: ASSIGNMENT DUE DATES!</th>
<th>This Week’s Topics</th>
<th>Text Chapters and Pages to Read</th>
<th>Video class to View &amp;</th>
<th></th>
</tr>
</thead>
</table>
| **Week 1: September 30 – October 4**<br>**Assignment #1:**<br>1 page report on current Energy related article. | Teleclass #1: **Tuesday October 1**<br>Topics:  
- SEMP Model for Energy Action Planning  
- Current Energy issues  
- Review of Library Reserve materials | PowerPoint slides from website | 1 |  |
| **Week 2: October 7 - 11** | Teleclass #2: **Tuesday October 8**<br>Topics:<br>  
- Energy Audit’s  
- Energy Action Planning  
- Energy Economics  
**Req’d Lab Activity:**<br>Sat Oct 12th - DeAnza Library for group presentation research (Library reserve materials) | PowerPoint slides from website Supplemental reading | 2 |  |
| **Week 3: October 14 - 18**<br>**Final Assignment:**<br>Group Presentation (20 – 25 minutes) on Energy Action Plan for an organization. | Teleclass #3: **Tuesday October 15**<br>Topics:<br>  
- GUEST SPEAKER  
- Research presentations | PowerPoint slides from website | 3 |  |

Reminder: Class Journal is due- Postmarked no later than October 22nd.
"Energy Reliability" TV Schedule, Fall '02

Video programs for this course are shown weekly on local cable TV in the South San Francisco Bay Area on the following cable networks:

**AT&T BROADBAND, CCN1**: Los Altos and Sunnyvale – Channel 30; Cupertino, Los Gatos, Milpitas, Mountain View, Santa Clara, Saratoga – Channel 25; San Jose – Channel 34A; Campbell – Channel 34 (some areas of Campbell receive digital channel 25); Palo Alto, East Palo Alto, Stanford University, Menlo Park and Atherton – Channel 73.

For broadcast problems on CCN 1 or CCN 2, the Broadcast Media Center can be reached at 408-864-8300 during the hours of 8:00 AM and 5:00 PM Mondays through Thursdays and 7:00 to 11:00 AM on Fridays. Voice mail messages may be left at other times and will be returned during the normal hours of operation.

**Live Video class Call-in Telephone Number: (408) 864-8437**

*De Anza College Distance Learning Classroom, LCW-26*

For students viewing the class live, you may call the number above to ask questions or participate in a discussion. Your participation is welcome and encouraged.

<table>
<thead>
<tr>
<th>Lesson #</th>
<th>Lesson Title</th>
<th>CCN 1: Tuesdays, 6:00–9:00 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Video class # 1</td>
<td>10/1/02</td>
</tr>
<tr>
<td>2</td>
<td>Video class # 2</td>
<td>10/8/02</td>
</tr>
<tr>
<td>3</td>
<td>Video class # 3</td>
<td>10/15/02</td>
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