

will be the most effective way to move this information into your long term memory. If you take this approach, you will do very well on the final exam.

ABSOLUTELY NO CREDIT WILL BE GIVEN FOR LATE ASSIGNMENTS, without prior written approval from professors.

Student professionalism

1. **Be professional.** Think of and present yourself as a professional seeking information on and understanding of an important subject.
2. **Make this class your own.** You are spending a significant part of your life and money on obtaining an education at CSUMB. Cultivate an interest in subject matter. You have the most to gain and to lose.
3. **Be an active learner - Dig for knowledge.** Regard this class, your professor, and text, as resources for you to actively exploit in your quest for knowledge and understanding.
4. **Prepare as a professional.** Critically evaluate the readings and come to class prepared to discuss them. Know the main points, have questions and opinions.
5. **Respectfully critique ideas.** Listen to, respect, consider and question the information and view points presented by your professor, the text and fellow students.
6. **Practice good study skills.** Work to understand and retain the information. Take notes in class and while reading. Review them weekly.
7. **You will be treated as a professional.** You will be assessed based on your performance and products. Just sitting in class will not get you a passing grade.
8. **Treat your fellow students respectfully.** You will all be making presentations in class and leading discussions. Treat your fellow students with the same courtesy you expect for yourselves.

Group Dynamics Issues

1. You will be graded as a group for two formal projects in this course: the oral portion of the Issues Presentation and the Green Campus Project. You will also be graded on your ability to contribute and collaborate in ad-hoc groups formed within class periods. Because we feel that working in groups is a fundamental component of this course, we've established some basic ground rules for improving collaborative group function:
 - say your own ideas
 - give reasons for your ideas
 - listen to others & try to understand their point of view

- give everyone a chance to speak
 - ask others for their ideas
 - discuss many ideas
 - criticize ideas, not people
 - manage your time: create an agenda & choose a time keeper
2. Expectations of formal groups (GCP and IP):
- all members of the group will make every effort to be available for meetings and to complete all tasks agreed upon by the group
 - whenever any group meeting is established, all members must be contacted by e-mail or phone early enough for all to attend (even if a group member misses a meeting, they must be contacted about subsequent meetings)
 - the dates and the group members in attendance at each meeting must be logged and submitted to the instructors with the final written portion of each project
3. GREEN CAMPUS PROJECT: The GCP is a truly collaborative project. Therefore it will only work well if you all cooperate on these projects. We expect everyone to contribute *equally* to this project. Obviously students will have different skills and so one student may spend more time on data analysis and another on data collection. That is fine. The important concept is that everyone spends a reasonably equal amount of effort on the project. To ensure equality we expect the following:
- every piece of work submitted for the GCP (see the many due dates for the GCP on the syllabus) must include a list of the group members and their individual contributions on that facet of the project.
 - a different member of the group should be responsible for submitting the required material for each due date on the syllabus
 - everyone in the group is expected to be a spokesperson for the project and to be able to give impromptu updates on how the project is going in class.
4. Issues Presentations:
- The oral IP presentation is a group effort requiring that all group members work closely with each other to integrate the information and analysis from each of their disciplines into a cohesive presentation of the issues, problems and realistic solutions.
 - The written portions of the IP's are individual reports, in which you will discuss the issue, problems and your recommendations from the point of view of the discipline you selected (science, economics, societal values). We encourage you to have your group partners review and comment on the drafts of your written IP before turning them into the instructors.
5. If you are having problems because individual members of your group are not cooperating, please contact one of the instructors as soon as possible. We

will discuss the matter with those group members who are failing on their responsibilities.

Readings

ESSP 100 required textbook: Botkin and Keller "Environmental Science: Earth as a living planet" (Abbreviated "ES" on course outline). Available in CSUMB bookstore.

Other readings which will be available on the Seal server or as handouts in class

| Date | Topic/Due Dates | Reading |
|---------|---|-------------------------|
| Th 1/30 | Introduction to ESSP 100 | |
| T 2/4 | Overview of Course/ Environmental Science IP group formation | ES Chap 1 |
| Th 2/6 | Critical Thinking in Environmental Science | ES Chap 2 |
| T 2/11 | Human Population Demo IP | ES Chap 5 QUIZ #1 |
| Th 2/13 | Environmental Economics | ES Chap 25 |
| T 2/18 | Earth as a System & Biogeochemical Cycles | ES Chap 3, 4 QUIZ #2 |
| Th 2/20 | Water Resources | ES Chap 19 |
| T 2/25 | GCP: Start Green Campus Project Track water use on campus | |
| Th 2/27 | World Food Supply Start Issues Presentations | ES Chap 10 |
| T 3/4 | Agriculture | ES Chap 11 QUIZ #3 |
| Th 3/6 | Agriculture Issues Presentation GCP proposal due | |
| T 3/11 | Endangered Species | ES Chap 12 QUIZ #4 |
| Th 3/13 | Endangered Species Issues Presentation | |
| T 3/18 | Land Management | ES Chap 13 QUIZ #5 |
| Th 3/20 | Ocean Management Issues Presentation | ES Chap 13 |
| T 3/25 | Environmental Health and Safety | ES Chap 14 QUIZ #6 |
| Th 3/27 | Environmental Health and Safety Issues Presentation GCP data-so-far due | |
| T 4/1 | Spring recess | |
| Th 4/3 | Spring recess | |

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| T 4/8 | Energy: World Issues and Fossil Fuels Mid-semester progress reports will be distributed | ES Chap 15,16 QUIZ #7 |
| Th 4/10 | Energy: World Issues and Fossil Fuels Issues Presentation | |
| T 4/15 | Energy: Nukes and Alternatives | ES Chap 17,18 QUIZ #8 |
| Th 4/17 | Energy: Nukes and Alternatives Issues Presentation | |
| T 4/22 | Air Pollution | ES Chap 22 QUIZ #9 |
| Th 4/24 | Air Pollution Issues Presentation | |
| T 4/29 | Global Warming & Ozone Depletion | ES Chap 21, 24 |
| Th 5/1 | Global Warming & Ozone Depletion Issues Presentation GCP: Final Data and Figures due | |
| T 5/6 | Waste Management | ES Chap 27 QUIZ #10 |
| Th 5/8 | Mining | ES Chap 28 |
| T 5/13 | Environmental Values GCP: Executive Summaries Due | ES Chap 30 QUIZ #11? |
| Th 5/15 | GCP: Presentations to Campus Community | |
| T 5/20 | FINAL EXAM | |

ESSP 100 Resources on the CSUMB Seal Server

- Resource materials will be available in the ESSP 100 Campus Folder on the Seal server.
- You will be expected to turn in your assignments electronically by placing them in the ESSP 100 inbox on the Seal server (rather than as hard copies on paper).
- INFORMATION ON HOW TO ACCESS THE SEAL SERVER: Connect to the CSUMB Home Page (<http://www.monterey.edu/index.html>) using Netscape or other websurfing software. Select "Network & Computing" under the "What's New!" heading. Once inside "Network & Computing" select "Using the Seal Server" from the Table of Contents on the left side of the screen. Click on the appropriate choice for your computer situation.
- For those people who are not familiar enough with computers to follow the above instructions, please come see one of us during our office hours (or by appointment) or ask one of your compatriots in the dorms, library, etc. **YOU ABSOLUTELY MUST BE ABLE TO ACCESS THE SEAL SERVER TO PASS THIS CLASS** - so if you have a problem, come talk with us or someone else. If you do not own a computer, you can access the seal server from the library computers (follow the instructions above on a library computer).

- Any assignment submitted on the seal server *must* be clearly labeled using the following naming scheme (please read all bullets below before creating your file names):
 - (1) every personal file *must* be clearly labeled with the students name in the following format: "first initial last name" (e.g., "sworcester")
 - (2) every file name *must* also include an abbreviation indicating the nature of the contents. Use one of the following abbreviations as is appropriate: Issues Presentation = "IP", Green Campus Project = "GCP", Quiz = "Q#", and personal comments or requests = "Pers" (e.g., Rikk Kvitek's written IP would be called "rkvitek_IP").
 - (3) Submissions of group projects must clearly identify the group (e.g., the GCP group working on dorm 203 would be labeled, "dorm203").
 - (4) If you have an IBM computer and are limited to eight characters, you must still clearly name your files. In this case, "your initials_your project type" will be expected (e.g., "sw_gcp" = Suzy Worcester's GCP project)
 - (5) All files must have an extension designating the file type used. Here is a list of extensions you will likely use in this class:
 - Microsoft Word for Macintosh files = .mw
 - Microsoft Excel for Macintosh files = .xls
 - Microsoft PowerPoint for Macintosh = .ppt
 - (6) If you do your word processing in software other than Microsoft Word 6.0 (or earlier) for Macintosh (i.e. if you are using a PC), you must convert your file to either a "rich text format" or "text" format. The extensions for these file types are:
 - rich text format = .rtf (**preferred file type)
 - plain text format = .txt
 - (6) Examples of personal file names:
 - "sworcester_IP.mw"
 - "rkvitek_GCP.xls"
- *Files which are not clearly labeled in the above format will be discarded* (e.g. file names such as "document1")
- Every file submitted *must* include within the file a list of *all students names* involved in the assignment. *Files without names will be discarded.*
- THE FIRST CLASS CONFERENCE FOLDERS ARE NOT USED IN THIS CLASS. ASSIGNMENTS SUBMITTED TO THE FIRST CLASS ESSP 100 CONFERENCE FOLDER WILL NOT BE READ. (First Class is not used, because it is unable to handle the large graphics files that many of you will be submitting)