Course Title: Advanced Environmental Health

This course provides an overview of
1. The toxicology, epidemiology, and policies & regulations relating to the environmental health;
2. Environmental exposures - physical, chemical, and biological agents present in the air, water, and soil;

ISBN-10: 0763778907

Prerequisites: None

Course Objectives: Successful participation and study in this course will enable students to:

1. Understand the basic concepts of toxicology, epidemiology, and regulations relating to the Environmental Health field;
2. Understand the association of environmental pollutants and human adverse health effects;
3. Identify types and sources of environmental pollutants;
4. Describe options of pollution monitors and controls;
5. Research & present the semester project on an environmental pollutant, its monitors and controls

Course Requirements:

1. Regular class attendance will be documented. Students who must miss a class are responsible for obtaining notes and instructions or assignments from other class members.

2. Two examinations will be given during the semester. Students are expected to be prepared and complete these exams on the scheduled exam dates (see topic schedule.) Exams will include multiple-choice, true/false, filling in the blank, and short essay questions. Students with an excused absence from the instructor must make up the exam prior to the next class period.
(Note: Having more than one exam on the same date does not warrant an excused absence.)
Unexcused absences for a scheduled exam will result in a grade of “0” for that exam.

3. Mini-Presentation Assignment: A 5-minute presentation to the class on an environmental health topic. If you cannot be there on your presentation day, it’s your responsibility to arrange for your replacement with another classmate. If you don’t show up on your presentation day and have no replacement, you will lose the points. Topics and presentation dates will be given on the first meeting.

4. Weekly Quiz: a quiz that covers materials from the previous lecture will be given every week.

5. Reading & Essay assignment: A reading and essay of a maximum of 5 pages (types) will be assigned on an environmental health issue. Topics will be given on the first meeting.

6. Graduate Semester term paper: An essay of a maximum of 10 pages (typed.) Four to five pages, not including cover page and bibliography, are sufficient, in 12 point, and 1.5 space. Topics will be given on the first meeting.

7. Graduate Level Term paper and presentation: Term paper on a research project. Topics will be given on the first meeting. Term paper must be typewritten. Term paper is not limited in length; however, 10 to 12 pages of in-depth and concise narratives are sufficient.

8. Graduate Level Presentation: A Power Point presentation on the above research project for the class. The presentation is limited to 15 minutes.

General Information:

Emergency Procedures:

1. Evacuation: Use either the east, west, or front exit and proceed to the Harte Research Institute’s parking lot, or the Blucher’s parking lot depending on the location of the hazard.

2. Accident or Injury:
   a. Call 911 for an ambulance, provide all essential information such as the location, the type of emergency and the condition of the victim.
   b. Call 825-4444 to inform University Police Department of the location of the victim so they can lead the emergency personnel to the location.

Make Up Exams: Make up exams will only be given for University excused absences to attend University sanctioned events (i.e. athletic teams, Health & Safety conference) or documented medical reasons. In those cases it is the responsibility of the student to arrange for scheduling of a make-up exam no later than one week after the regular scheduled exam.

Students With Special Needs: The Environmental Science Program complies with the American with Disabilities Act in making reasonable accommodations for qualified students with disabilities. If you need disability accommodations in this class, please see me as soon as possible. Please have your accommodation letter from TAMU-CC Services for Students with Disabilities Office with you when you come see me. If you suspect that you may have a disability (physical impairment, learning disability, psychiatric disability, etc.) please contact the Services for Students with Disabilities Office (located in Driftwood 101) at 825-5816. It is important that you contact them in a timely fashion as it may take several days to review requests and prepare accommodations.
Class Conduct: All students are expected to follow proper Classroom behavior and treat other students and the instructor with respect. Disruptive behavior will cause the student to be asked to leave the class for the day. Repeated disruptive behavior will make the student subject to dismissal from the class for the semester. Cell phones and pagers will be turned off during class time. If cell phones disrupt the class, the student will be asked to leave and not return that class period.

Academic Integrity and Honesty: All students are expected to conform to college-level standards of ethics, academic integrity and honesty. By enrolling in this course, you agree to be bound by the Regulations and Procedures published in the TAMU-CC STUDENT HANDBOOK. Students are expected to do their own work and not duplicate that of others. Duplicate work will be considered cheating and the student will receive a zero on that assignment/exam.

Grade Appeal Process: As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at http://www.tamucc.edu/provost/university_rules/index.html. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

Academic Advising: The College of Science and Technology requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College’s Academic Advising Center can be reached at 825-6094.

Evaluation Criteria:

1. Midterm Exam 100 points max
2. Cumulative Final Exam: 200 points max
3. Graduate term paper 60 points max
4. Graduate Research project presentation 100 points max
5. Mini-Presentation Assignment 40 points max
6. Reading & Essay Assignment 50 points max
7. Quizzes (10 quizzes, 15 points max each) 150 points max

TOTAL: 700 points max

An accumulated score of 630 points or greater: A
An accumulated score from 560 to 629 points: B
An accumulated score from 490 to 559 points: C
An accumulated score from 420 to 489 points: D
An accumulated score below 420: Fail