Course Syllabus
HS 162: Environmental Health
Spring 2004

Professor:  Sandi Donohue, DPA, REHS  Office: McLane J-Wing, Room 14
Phone:  559-278-4747    Office Hrs: MWF 9-10:00 am
Email:  sdonohue@csufresno.edu

Course Description
This course is 3 units and meets from 11:00 – 11:50 on MWF in McLane Hall Room 176. The content of the course considers the basic principles and concepts of Environmental Health, with a particular emphasis on environmental health administration, communicable disease and contamination control, food protection, vector control, water supply and wastewater issues, solid and hazardous waste, air pollution control, and managing special environments. This course is web enhanced.

Prerequisites
Completion of the basic science core and HS 161 is strongly recommended.

Course Goals and Objectives
The primary goals of this course are:
1. To introduce the student to the basic principles of environmental health administration and management
2. To provide the student with a conceptual understanding of how hazards are controlled for several key areas of concern in environmental health.

Upon completion of this course, the student will be able to:
- Identify environmental factors that can negatively influence human health and take effective action.
- Describe appropriate control methods for several different types of environmental hazards.
- Outline the content, prevention concepts and components of various environmental health programs.
- Analyze data from field inspections or investigations.
- Prepare to take the REHS exam.

Recommended Texts


Examinations

There will be three exams (including the final), each worth 100 points, for an exam total of 300 points. The exams will each have 30-40 multiple-choice questions (each worth 2 points) and fill-in, short answer, or short essay questions worth 20-40 points. Students are required to provide a Scantron for the multiple-choice portion of each exam.

Exams will cover all written and oral materials presented in class. Expect about 80% of the exam to come from class lecture and discussion and 20% to come from the required reading and assigned handouts.

Students are expected to take the exams at the times and dates outlined in the schedule below. In the rare event that an emergency should arise, the student MUST notify me (by phone message or email) prior to the exam time and date that they will miss the exam. I will then arrange for the student to take a similar exam or otherwise do a makeup. If I am not notified prior to the test, the student will receive a grade of zero points for the exam.

Project

The project will consist of four assignments, with each assignment worth 25 points, for a project total of 100 points. The project is to review four environmental health articles from peer reviewed scientific journals and create a critique of the structure of the article.

Each review will include a full reference to the article in APA style at the start of your paper, and a critique of the kinds of information under each major heading of the article (4-6 major headings). Each paper (review) will be written in MS Word, 1-2 pages long, double spaced, 12 point font, with 1 inch margins all around. Keep in mind that grammar, spelling, sentence structure, and language usage are as important to your grade as the content, so spell checking and proof reading are a must.

Turn in a hard copy of your paper WITH a copy of the article attached. In addition, submit your paper to the instructor as an email attachment. The topics for your articles and the due dates are as follows:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1  EH Admin/Mgmt or Food Protection</td>
<td>Monday, February 9</td>
</tr>
<tr>
<td>#2  Vector Control</td>
<td>Monday, March 8</td>
</tr>
<tr>
<td>#3  Solid/Hazardous Waste or Water Mgmt</td>
<td>Monday, April 12</td>
</tr>
<tr>
<td>#4  Institutions/Housing or Air Quality</td>
<td>Monday, May 3</td>
</tr>
</tbody>
</table>

Grading

This course will have three exams (two midterms and one final), each worth 100 points, for an exam total of 300 points. There will also be a project worth 100 points total. Grading will be determined by a statistical curve of the possible 400 points.

Students may earn extra credit (10 points maximum) for attendance at:

- Health Science Student Club meetings/events (1 pts each)
- A professional organization’s (CEHA, NEHA, ASSE, NSC, AIHA, etc) monthly meetings, conferences, educational updates, educational symposia (2 pts each)
Other pre-approved EOH-related events (2 pts each)
Or for membership in a profession organization (CEHA, NEHA, ASSE, NSC, AIHA, etc) (5 pts).

Course and University Policies

Course Policies and Prohibitions: Students are expected to regularly attend class, participate in
discussions, and complete all required reading in a timely fashion. Unless otherwise instructed, students
are also expected to work independently at all times.

Disruptive Classroom Behavior: Any disruptive or distracting behavior is prohibited, including, but not
limited to: Side conversations during lecture, cell phone usage, tape-recording of lecture, bringing
visitors or guests to class, use of inappropriate language, or in any way demeaning or disturbing others in
the class. (Please refer to the University Policy on Disruptive Classroom Behavior, which can be found in
the University Catalog.)

Students with Disabilities: Upon identifying themselves to the instructor and the university, students
with disabilities will receive reasonable accommodation for learning and evaluation. For more
information, contact Services to Students with Disabilities in Madden Library 1049 (278-2811).

Cheating and Plagiarism: “Cheating is the actual or attempted practice of fraudulent or deceptive acts
for the purpose of improving one’s grade or obtaining course credit; such acts also include assisting
another student to do so. Typically, such acts occur in relation to examinations. However, it is the intent
of this definition that the term ‘cheating’ not be limited to examination situations only, but that it include
any and all actions by a student that are intended to gain an unearned academic advantage by fraudulent
or deceptive means. Plagiarism is a specific form of cheating that consists of the misuse of the published
and/or unpublished works of others by misrepresenting the material (i.e., their intellectual property) so
used as one’s own work.” Penalties for cheating and plagiarism range from a 0 or F on a particular
assignment, through an F for the course, to expulsion from the university. For more information on the
University’s policy regarding cheating and plagiarism, refer to the University Catalog (Policies and
Regulations).

Computers: “At California State University, Fresno, computers and communications links to remote
resources are recognized as being integral to the education and research experience. Every student is
required to have his/her own computer or have other personal access to a workstation (including a modem
and a printer) with all the recommended software. The minimum and recommended standards for the
workstations and software, which may vary by academic major, are updated periodically and are available
from Information Technology Services (http://www.csufresno.edu/ITS/) or the University Bookstore. In
the curriculum and class assignments, students are presumed to have 24-hour access to a computer
workstation and the necessary communication links to the University’s information resources.”

Subject to Change

The syllabus and course schedule are subject to change in the event of extenuating circumstances. If you
are absent from class, it is your responsibility to check on announcements made while you were absent.
Course Schedule  
HS 162: Environmental Health  
Spring 2004

**Important Course Dates**
- **January 19:** Martin Luther King Jr. Day, no class
- **February 16:** President’s Day Holiday, no class
- **March 31:** Cesar Chavez Holiday, no class
- **April 5-9:** Spring Break, no class

**Weekly Assignments**

<table>
<thead>
<tr>
<th>Week of</th>
<th>Class Assignment</th>
<th>Reading Assignments (chapters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 22-23</td>
<td>Introduction</td>
<td></td>
</tr>
<tr>
<td>Jan. 26-30</td>
<td>EH Administration</td>
<td></td>
</tr>
<tr>
<td>Feb 2-6</td>
<td>Food Protection</td>
<td></td>
</tr>
<tr>
<td>Feb. 9-13</td>
<td>Food Protection (paper #1 due 2/9)</td>
<td></td>
</tr>
<tr>
<td>Feb. 16-20</td>
<td>Food Protection</td>
<td></td>
</tr>
<tr>
<td>Feb. 23-27</td>
<td>Exam I - 2/23 (+ start for next exam)</td>
<td></td>
</tr>
<tr>
<td>Mar 1-5</td>
<td>Vector Control</td>
<td></td>
</tr>
<tr>
<td>Mar 8-12</td>
<td>Vector Control (paper #2 due 3/8)</td>
<td></td>
</tr>
<tr>
<td>Mar 15-19</td>
<td>Solid and Hazardous Waste Management</td>
<td></td>
</tr>
<tr>
<td>Mar 22-26</td>
<td>Solid and Hazardous Waste Management</td>
<td></td>
</tr>
<tr>
<td>Mar 29-2</td>
<td>Exam II – 3/29 (+ start for next exam)</td>
<td></td>
</tr>
<tr>
<td>Apr 5-9</td>
<td>Spring Break - no class</td>
<td></td>
</tr>
<tr>
<td>Apr 12-16</td>
<td>Water Supply (paper #3 due 4/12)</td>
<td></td>
</tr>
<tr>
<td>Apr. 19-23</td>
<td>Waste Water Management</td>
<td></td>
</tr>
<tr>
<td>Apr. 26-30</td>
<td>Recreational Waters</td>
<td></td>
</tr>
<tr>
<td>May 3-7</td>
<td>Institutions and Housing (paper #4 due 5/3)</td>
<td></td>
</tr>
<tr>
<td>May 10-12</td>
<td>Air Quality</td>
<td></td>
</tr>
<tr>
<td>May 12</td>
<td>Exam III – 5/17, 11:00 am</td>
<td></td>
</tr>
</tbody>
</table>

**Resource Materials**

*InfoComp:* CSU, Fresno/Bakersfield Information Competency Website in the Social Sciences  
http://www.csub.edu/~jross/projects/infocomp/  
http://www.csub.edu/~jross/projects/infocomp/toolbox/InfoCmpToolBx.htx

http://webster.commnet.edu/apa/apa_intro.htm