

**Environmental Health Sciences Department
College of Public Health
University of Georgia**

**EHSC 4150
Introduction to Environmental Health Sciences
Fall, 2007 Syllabus**

Course Information

Instructors:	Dr. Anne Marie Zimeri	Mr. Bill Cosgrove
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Office Hours:	M-F 3:30-4:30, or by appointment	by appointment

Course Meeting Time and Location

Building: EHS
Room: 101
Day: Fridays
Time: 9:30-12:10

Field Trip: Class will convene promptly at 10:00am on **September 21** at the ACC Recycling Facility. You must wear closed toe shoes to participate in the tour portion of the class. Students must to carpool to the site due to limited parking and the fact that this is an environmental health sciences class. Time will be allotted at the end of the previous class so that you may make carpool arrangements.

Textbooks and Other Course Material

[2006 Resource Conservation and Recovery Act \(RCRA\) Manual](#) (available on WebCT)

[McCoy's RCRA Assistant](#) (available at the UGA bookstore or online
<http://www.understandrcra.com/Assistant.cfm>)

We will be using WebCT throughout the semester. The syllabus, lecture outlines, and assignments, will be posted on the WebCT course page.

Course Description

Regulatory, chemical and engineering aspects of solid and hazardous waste management, including RCRA, CERCLA, landfill and incinerator design, pollutant transport and fate, and potential for human health impacts

Course Learning Objectives

The course will allow students to gain an understanding of how federal regulations govern the problems of solid and hazardous waste management. Students will learn to: identify wastes as

define by the Code of Federal Regulations and RCRA, including solid and hazardous, universal, "potentially" hazardous, and non-hazardous wastes, identify the purpose for regulating hazardous waste, which regulatory standards apply to hazardous waste management, and the three classifications of waste generators under RCRA. identify transportation and disposal requirements for hazardous waste, identify the requirements for emergency preparedness and contingency planning as well as the statutes of SARA Title III (EPCRA), recognize the requirements for reporting and recordkeeping. Students will learn their potential role in the problem as future environmental health scientists who may be responsible for the proper management of solid and hazardous wastes.

Course Requirements for Grading Purposes

*In addition to exams, graduate students will be assigned a special topic for further investigation. Topics must be reported in a 2-3 page paper as well as shared with the class in a 15 minute presentation. This assignment will be weighted as 20% of the student's semester grade.

Grading Policy

There will be four 75-minute exams given throughout the semester. **THERE WILL BE NO MAKEUP EXAMS.** Exams 1-4 will primarily cover the material discussed since the prior exam, though you may be tested on basic concepts on any exam. Questions related to exam grades must be made within one week of the return of the graded exam.

Grading: *Grades will be based on the following points:

Exam 1	100 points	(25%)
Exam 2	100 points	(25%)
Exam 3	100 points	(25%)
Exam 4	100 points	(25%)

Letter Grades: A 90-100%

B 80-89%

C 70-79%

D 60-69%

F < 59%

* exams will be weighted at 20% each for graduate students, as well as 20% of the grade assigned from their special topic report and presentation.

Make-Up Policy

NO MAKE UP EXAMS will be administered. If you have a valid, documented excuse for missing an exam, you may receive and 'Incomplete' for the semester and finish the course the next time it is offered.

Attendance Policy

Attendance is mandatory.

University Honor Code and Academic Honesty Policy

All academic work must meet the standards contained in “A Culture of Honesty.” All students are responsible to inform themselves about those standards before performing any academic work. http://www.uga.edu/ovpi/academic_honesty/culture_honesty.htm.

Students with Disabilities

Students with disabilities who require reasonable accommodations in order to participate in course activities or meet course requirements should contact the instructor or designate during regular office hours or by appointment.

General Disclaimers

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.

PLEASE TURN OFF ALL CELL PHONES AND PAGERS DURING CLASS

Fall 2007 Agenda

Version - Revised

#	Date	Speaker	Lecture Topic
AUGUST			
1	17	Zimeri	Class Introduction & Overview
2	24	Cosgrove	Overview of Federal Environmental Laws and the “Rule Making” Process
3	31	Zimeri	Subtitle D Solid Waste Management & Recycling
SEPTEMBER			
4	7	Zimeri	CERCLA
5	14	Cosgrove	TEST #1 Historical Overview of RCRA & Definition of Solid Waste
6	21	Zimeri	Field Trip to Athens/Clarke Co. Recycling Center and Landfill
7	28	Cosgrove	RCRA Waste Identification
OCTOBER			
8	5	Zimeri	EPA Waste and Criminal Investigations (SESD staff)
9	12	Cosgrove	RCRA Waste Generators & Transporters
10	19	Cosgrove	TEST #2 RCRA Treatment, Storage and Disposal Facilities (TSDFs)
	26		UGA FALL BREAK!
NOVEMBER			
11	2	Cosgrove	TSDFs
12	9	Zimeri	SARA Title III (EPCRA)
13	16	Zimeri	TEST #3 RCRA Corrective Action/ RCRA Land Disposal Restrictions (LDRs)/ Federal Register Exercise
	23		THANKSGIVING HOLIDAY
14	30	Zimeri	RCRA and Superfund - Groundwater/Soil Remediation Techniques/ Graduate Student Presentations: Mridula underground storage tanks; Beth universal waste
DECEMBER			
15	4	Tuesday!!	Graduate Student Presentations: Aarti composting locally and in Bombay; Nikia PCBs; Jennifer nanowaste; Jeff used oil /Federal Register Exercise
	12	Wednesday!!	FINAL EXAM 9:00-11:00am