

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

**EHSC 4150
Introduction to Environmental Health Sciences
Fall, 2008 Syllabus**

Course Information

Instructors:	Dr. Anne Marie Zimeri	Mike Neill
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Office Hours:	M-F 3:30-4:30, or by appointment	by appointment only

Course Meeting Time and Location

Building: EHS
Room: 101
Day: MWF
Time: 10:10-11:00

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 defined 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), and 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, groups of students will be assigned a special topic for further investigation. Topics must be reported in a 2-3 page paper as well as prepared in PodCast format for sharing with the class. Detailed instructions will be provided. Graduate students will not work in groups, but will instead be assigned an individual topic.

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	50 points	(12.5%)
Exam 4	100 points	(25%)
Project	50 points	(12.5%)

Letter Grades:

A	92-100%
A-	90-91%
B+	88-89%
B	82-87%
B-	80-81%
C+	78-79%
C	72-77%
C-	70-71%
D	60-69%
F	< 59%

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

<u>Day</u>	<u>Date</u>	<u>Speaker</u>	<u>Topic</u>
M	08/18	Zimeri	Class Introduction and Overview: film
W	08/20	Zimeri	“In Our Own Backyards”
F	08/22	Zimeri	History of Waste
M	08/25	Zimeri	Subtitle D Solid Waste Management
W	08/27	Cosgrove	Federal Law and Rule Making Process
F	08/29	-----	NO CLASS
M	09/01	-----	NO CLASS (Labor Day)
W	09/03	Zimeri	Subtitle D Solid Waste Management
F	09/05	Zimeri	CERCLA
M	09/08	Zimeri	CERCLA
W	09/10	Zimeri	CERCLA
F	09/12	-----	EXAM 1
M	09/15	Zimeri	Recycling from a subtitle D perspective
W	09/17	Zimeri	Recycling from a subtitle D perspective
F	09/19	Neill	Definition of Solid Waste
M	09/22	Neill	Waste Identification
W	09/24	Neill	Waste Identification: Characteristics
F	09/26	Neill	Waste Identification: Listings
M	09/29	-----	No Class
W	10/01	Neill	EPA Criminal Investigation (SES staff)
F	10/03	Neill	at EPA College Station Road (SES staff)

M	10/06	Neill	Generators
W	10/08	Neill	Transporters
F	10/10	Neill	Treatment, Storage and Disposal Facilities
M	10/13	Neill	RCRA Land Disposal Restrictions
W	10/15	----	EXAM 2
F	10/17	Zimeri	RCRA Corrective Action/ PS3
M	10/20	Zimeri	RCRA Corrective Action
W	10/22	Zimeri	Group Work
F	10/24	Zimeri	Group Work
M	10/27	Zimeri	SARA Title III
W	10/29	Zimeri	SARA Title III
F	10/31	----	NO CLASS (Fall Break)
M	11/03	EPA	Industrial Water Pollution
W	11/05	Zimeri	Water Legislation/ Clean Water Act
F	11/07	----	EXAM 3
M	11/10	Zimeri	Federal Register Exercise
W	11/12	Zimeri	Groundwater/Soil Remediation Techniques
F	11/14	Zimeri	Groundwater/Soil Remediation Techniques
M	11/17	Zimeri	Groundwater/Soil Remediation Techniques Storyboards Due
W	11/19	----	Student Presentations
F	11/21	----	Student Presentations
M	11/24	----	Student Presentations
W	11/26	----	NO CLASS (Thanksgiving Break)
F	11/28	----	NO CLASS (Thanksgiving Break)
M	12/01	----	Environmental Policy and Laws
W	12/03	----	Graduate Student Presentations
F	12/05	----	Graduate Student Presentations
M	12/08	----	Graduate Student Presentations
F	12/17	----	8:00-11:00 am FINAL EXAM 4