

Supplemental material will be assigned periodically and will be available at the WebCT page for this course (use your MyUGA ID to login) <https://webct.uga.edu>

Course requirements and grading policy

4 Exams (100 pts)

Lab Reports (200 pts)

Case Studies (undergraduates only) (100 pts)

Oral Presentation (graduate students only) (100 pts)

Final Exam (300 pts)

Course Grade Determination

A	900 - 1000	equivalent to 90 – 100 %
B	800 - 899	equivalent to 80 – 89 %
C	700 - 799	equivalent to 70 – 79 %
D	600 - 699	equivalent to 60 - 69 %
F	Below 600	

Graduate Student Project:

Graduate students will be required to complete a poster / oral presentation on a current research topic in Environmental Chemistry. The poster / oral presentation must include a critique of the research design and outcomes. In addition, a critical review of related studies will be required. More details will be given in class.

Case Studies:

Case Studies will be given for current environmental chemistry issues. The case study will include questions based on the reading related to the topic covered. Students will be expected to address fully the questions in the case article and will be graded based on the completeness of responses. Case studies will be due on day of lecture exam. More information will be given to format and grading for each case study assigned.

Lab :

Lab procedures will be provided one week prior to assigned lab being conducted. A lab syllabus will be provided the first week of labs and will include lab format and grading criteria.

Make Up Exams:

Make up exams will be given **only** under special circumstances and must be arranged with the instructor before the scheduled exam period.

Attendance:

Attendance will be taken regularly and will help to determine grades in borderline situations. Attendance is expected for all lectures.

University Honor Code:

All academic work must meet the standards contained in *A Culture of Honesty*. Each student is responsible to inform themselves about those standards before performing any academic work. <http://www.uga.edu/ovpi/honesty/acadhon.htm>

Week	Topic	Chapter from Connell Text	Chapter from Manahan text
1	Overview		
1	Role and Importance of Environmental Chemistry	Chapter 1	Chapter 1
2	Bonds and Molecules	Chapter 2	
3	Environmental Transformation and Degradation	Chapter 3	Chapter 2,4
	Environmental Toxicology	Chapter 4	Chapters 22,23
Feb 1	EXAM 1		
4	Petroleum Hydrocarbons	Chapter 5	
	PCBs and Dioxin	Chapter 6	Chapter 7,12
5	Synthetic Polymers	Chapter 7	
	Pesticides	Chapter 8	Chapter 7,16
6	Polyaromatic Hydrocarbons (PAHs)	Chapter 9	Chapter 10,12
March 1	EXAM 2		
7	Soaps and Detergents	Chapter 10	Chapter 7
8	Metals in the Environment	Chapter 11	
8	Atmospheric Chemistry and Pollution	Chapter 12	Chapter 9-13
9	Atmospheric Chemistry and Pollution		

April 5	EXAM 3		
10	Chemistry of Water and Water Pollution	Chapter 13	Chapter 3,7,8
11	Soil Contamination	Chapter 14	Chapter 16
12	Distribution of Chemicals in the Environment	Chapter 15	Chapter 4-6
13	Genotoxicity	Chapter 16	Chapter 21
April 19	EXAM 4		
14	Monitoring Chemicals	Chapter 17	Chapter 27
	Human Health and Risk Assessment	Chapter 18	Chapter 28

Final Exam– Wednesday May 3, 2006 8am -11am

* Schedule of topics is subject to change! Updates will be noted in class and on WebCT.