

Environmental Geology (GEOL 305/505)
Spring Semester 2008
Smith Hall 469
TTR 11 am – 1:15 pm

Instructor: Dr. Steven M. Lev
Office Hours: MWF 9-10 am, TR 5-6 pm or by appointment
Office: 455, Smith Hall
Phone: (410) 704-2744
E-mail: slev@towson.edu

Required Text:

Understanding Environmental Pollution, by Marquita K. Hill (Cambridge)

	Topic	Assigned Reading
Week 1	Environmental Pollution	Chapters 1 & 2
Week 2	Atmospheric and Oceanic Circulation	
Week 3	Chemistry of the Atmosphere	Chapters 7 & 8
Week 4	Air Pollution	Chapters 5 & 6
Week 5	Review and Exam 1	
Week 6	Environmental Laws and Regulations	Handout, Chapter 2
	Position Brief Due	
Week 7	Hydrologic Cycle	
Week 8	NO CLASS SPRING BREAK	
Week 9	Groundwater	
Week 10	Toxicology and Risk Assessment	Chapters 3 & 4
Week 11	Water Pollution	Chapter 9 & 10
	Position Brief Due	
Week 12	Biogeochemistry of Urban Watersheds	Handout
Week 13	Methods of Environmental Investigation	Handout
	Contaminant Maps	
	Properties of Hazardous Materials	
	Work Plan Due	
Week 14	Site Investigation Exercise	Handout
Week 15	Site Investigation Exercise	
Week 16	Site Investigation Exercise	

EXAM 2 will be given during exam week, in SM 469

****This syllabus is subject to change with appropriate prior notification.****

Course Goals: This course is designed for both majors and non-majors as an introductory course in environmental geology with a focus on environmental pollution. The material presented in this course is designed to acquaint students with the major concepts in environmental geology, toxicology and biogeochemistry. It is also a primary goal of this course to describe the geologic processes that affect the global environment and the fate and transport of pollutants in geologic systems. Students will examine environmental problems on a global and local scale.

Attendance and Assigned Work/Exams: It is expected that students will attend all lectures, labs, exams, and field trips as scheduled. Students are also advised to read each assignment prior to its discussion in class/lab. Late work will not be accepted late and there are no make-up exams except for documented medical or personal emergencies (Contact me as soon as possible (704-2744) or notify the Department Secretary (704-3020))

Exams and Grading: The final course grade will be calculated using the following formula:

Exam 1	25% of total grade
Exam 2	25% of total grade
Position Briefs (2)	10% of total grade
Work Plan	10% of total grade
Site Investigation Report	15% of total grade
Lab and Class Participation	15% of total grade

Grading Scheme: A (100-90%), B (89-80%), C(79-70%), D (69-60%), F (below 60%)

There will be no make up exams without prior approval or official excuse.

Electronic Devices: Cell phones, pagers, and other communication devices must be set to vibrate mode or turned off and calls cannot be made or accepted during lecture or lab.

Academic Dishonesty: Academic Dishonesty will be dealt with in accordance with the Towson University Student Code of Conduct (See Undergraduate Catalog Appendix F).

Withdrawal Policy: Students may withdraw from the course with the grade of W at any time prior to and including November 8, 2006

This course can only be repeated once for credit with out permission from the Academic Standards Committee.