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**Textbook** (available in campus bookstore):  
Principles of Environmental Chemistry, Author: James Girard  
Publisher: Jones and Bartlett

**Grading:**  
2 Exams/Quizzes (20% of grade, each) + 1 Final (35%)  
Assignments: 25%

**Grading Scale:**  
Considered “A”s:  
4 95.00-100
3.9 92.63-94.99
3.8 90.25-92.62
3.7 87.88-90.24
3.6 85.50-87.87
3.5 80.75-85.49

Considered “B”s: 3.4 78.38-80.74
3.3 76.00-78.37
3.2 73.63-75.99
3.1 71.25-73.62
3.0 68.88-71.24

Considered “C”s: 2.0-2.9
Considered “D”s: 1.0-1.9

**Formula:** GPA range = % correct/23.75 – % correct /25.00

**Learning Objectives**  
-Understand human impact on the earth’s ecosystems and natural resources  
-Understand classes of inorganic and organic chemicals and their sources from industrial and natural processes that affect human and ecosystem health  
-Understand treatment process and technological advances in safeguarding environmental media of air, water, soil  
-Apply knowledge of general chemistry to environmental media of air, water, soil: [basic chemical reactions in environmental media; calculations of concentration, rate constants, etc.]
We will follow the book chapter topics in order, as described below.

Book Chapters

1. Planet Earth: Rocks, Life, and Energy
2. Earth’s Soil and Agriculture
3. Earth’s Atmosphere
4. Chemistry of the Troposphere
5. Chemistry of the Stratosphere
6. Analysis of Air and Air Pollutants
7. Water Resources
8. Water Pollution and Water Treatment
9. Analysis of Water and Wastewater
11. Nuclear Power
12. Energy Sources of the Future
13. Toxicology
14. Inorganic Metals
15. Organic Chemicals in the Environment
16. Asbestos
17. Disposal of Dangerous Wastes

Academic Conduct
Cheating and plagiarism are considered serious at Oakland University. All allegations of academic misconduct will be reported to the Dean of Students and, thereafter, to the Academic Conduct Committee for adjudication. Anyone found guilty of cheating in this course may receive a course grade of 0.0, in addition to any penalty assigned by the Academic Conduct Committee.