

CHEMISTRY 100-010: CHEMISTRY AND THE HUMAN ENVIRONMENT
DATE: Spring Semester 2011

Semester: Spring 2011
Meeting Time: TR 12:30-1:45 pm
Meeting Location: BRL207
Course Materials at www.udel.edu/sakai
Online Learning Center (study quizzes, interactive figures, etc.) at www.mhhe.com/cic

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Course Objectives:

To provide a basic understanding of chemical principles relevant to the environment. To understand environmental issues in society from a chemical perspective.

Required Textbook:

L.P. Eubanks, C.H. Middlecamp, C.E. Heltzel, S.K. Keller. Chemistry in Context: Applying Chemistry to Society, 6th Edition; McGraw Hill; New York; 2008; ISBN 908-0-070304876-5.

Assignments and Grading (600 points total)

Notes:

- Problem sets will be posted to www.udel.edu/sakai one week ahead of the due date.
- The four in-class exams are closed book and will cover only new material since the previous exam.

Assignment	Date	Points
Problem Set #1	February 15	25
Problem Set #2	February 24	25
Exam #1	March 1	100
Problem Set #3	March 10	25
Problem Set #4	March 22	25
Exam #2	March 24	100
Problem Set #5	April 12	25
Problem Set #6	April 21	25
Exam #3	April 26	100
Problem Set #7	May 5	25
Problem Set #8	May 17	25
Exam #4	TBA	100

Class Schedule

Date	Topic	Date	Topic
2/8	Air Pollution I Chapter 1	4/5	Energy I Chapter 4
2/10	Air Pollution II Chapter 1	4/7	Energy II Chapter 4
2/15	Problem Set 1	4/12	Problem Set 5
2/17	Ozone Depletion I Chapter 2	4/14	Energy III Chapter 7, Sec. 7.1-7.3, 7.8, 7.11
2/22	Ozone Depletion II Chapter 2	4/19	Energy IV Chapter 8, Sec. 8.1-8.3, 8.5
2/24	Problem Set 2	4/21	Problem Set 6
3/1	Exam 1	4/26	Exam 3
3/3	Ozone Depletion III Chapter 2	4/28	Water Pollution I Chapter 5
3/8	Global Climate Change I Chapter 3	5/3	Water Pollution II Chapter 6
3/10	Problem Set 3	5/5	Problem Set 7
3/15	Global Climate Change II Chapter 3	5/10	Water Pollution III Chapter 6
3/17	Global Climate Change III Chapter 3	5/12	Water Pollution IV
3/22	Problem Set 4	5/17	Problem Set 8
3/24	Exam 2	TBA	Exam #4