

CHE100-01 - Environmental Chemistry – Fall 2016
Department of Chemistry
State University of New York at New Paltz

Room: Coykendall Science Building (CSB) 152
Days/Time: Tuesdays, Fridays 9:30 – 10:45 am

Credit Hours: 3

Instructor: Prof. Gissel V. Mentore
Phone: 845-257-6961
Email: mentoreg@newpaltz.edu

Office: CSB 151
Semester Office Hours:
W: 2:15 – 4:15 pm
R: 10 am – 12 pm

Course Description: The principles of chemistry behind the effects of such environmental problems as acid rain, ozone layer depletion, air pollution, and global warming and the evaluation of experimental data leading scientists to current conclusions regarding these issues.

Student Learning Outcomes: Students will demonstrate knowledge about fundamental principles and concepts in chemistry and be able to apply these principles to critical analysis and scientific problem-solving related to various environmental problems.

Recommended Text: Hogg, J. CHEM 2: Chemistry in Your World, Cengage/4LTR Press.
ISBN: 113396298X

Blackboard and Campus Email: Students are responsible for all information posted on Blackboard and sent by campus email. Check Blackboard and campus email regularly. The links for Blackboard and email are available on the College's website (www.newpaltz.edu). To access Blackboard and campus email, use your New Paltz Computer UserID (NPCUID) and password.

Computer and Network Policies

Users of New Paltz's computer resources and network facilities are required to comply with the institutional policies outlined in the Acceptable Uses and Privacy Policy (<https://sites.newpaltz.edu/csc/policies/acceptable-uses-and-privacy-policy/>).

Withdrawal From The Course

The last day of the semester to withdraw from a course without receiving a penalty grade is **Friday, November 4, 2016**. Forms are available in the Records/Registration office. Please note that you may not use the satisfactory /unsatisfactory (S/U) option in courses required for your major or minor or courses taken to fulfill the General Education (GE) requirement.

Student Evaluation of Instruction (SEI)

Fall 2016 SEIs will be administered electronically. You are responsible for completing the SEIs for this course between November 30 and December 14, 2016.

Accommodation Requests

Students needing classroom and/or testing accommodations related to a disability should contact the Disability Resource Center (Student Union, Room 210, 845-257-3020) as close as possible to the beginning of the semester. The DRC will then provide students' instructors with an Accommodation Memo verifying the need for accommodations. Specific questions about services and accommodations may be directed to Deanna Knapp, Assistant Director (knappd@newpaltz.edu).

Veteran and Military Services

New Paltz's Office of Veteran and Military Services (OVMS) is committed to serving the needs of veterans, service members and their dependents during their transition from military life to student life. Student veterans, service members or their dependents who need assistance while attending SUNY New Paltz may refer to www.newpaltz.edu/veterans; call 845-257-3120, -3124 or -3074; or stop by the Student Union, Room 100 South.

Academic Integrity

College policy on academic integrity (http://www.newpaltz.edu/ugc/policies/policies_integrity.html): *Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious offenses, and students found guilty of any form of academic dishonesty are subject to disciplinary action.* Several excellent resources to help with avoiding plagiarism are available on the Sojourner Truth Library's website: <http://lib.newpaltz.edu/assistance/plag.html>.

<u>Grading:</u>	Exams (2, 15% each)	30 %
	Final Exam - Cumulative	30 %
	Presentation	15 %
	Activities and Experiments	15 %
	Assignments and Quizzes	10 %

There is no extra credit and grades are not negotiable. Your final numerical average will be converted to your final grade according to the following table:

<u>%</u>	<u>Letter</u>
90-100	A- to A
80-89	B- to B+
70-79	C- to C+
60-69	D- to D+
0-59	F

Exams:

Exam 1: Friday, September 23

Exam 2: Friday, November 4

Final Exam: Friday, December 16, 10:15 AM-12:15 PM

- All exams are closed book. No textbooks, notes, or any other materials may be used during exams. **Use of any unauthorized materials during an exam will result in a grade of zero for that exam.**
- **Only standard scientific calculators** may be used during exams. No graphing calculators, cell phones, laptops, or any other electronic devices may be used during exams. **Use of any unauthorized device during an exam will result in a grade of zero for that exam.**
- **Excused absence** from either of the two regular semester exams will be given only for a **valid reason**, such as illness or other emergency. Contact me by email and be able to provide appropriate documentation for the absence. With an excused absence, the grade weight of the missed exam will be transferred to the Final Exam (for example, the Final Exam will count for 45% of your final grade instead of 30%). **There are no make-up exams for the two regular semester exams.**
- **Excused absence** from the Final Exam will be given only for a **valid reason**, such as illness or other emergency. Contact me by email and be able to provide appropriate documentation for the absence. With an excused absence, a grade of "Incomplete" will be entered and a make-up Final Exam will be scheduled.
- Unexcused absence will result in a grade of zero for that exam.

Presentations: Individual presentations are scheduled for the last four classes of the semester. More information on presentations will be available on Blackboard.

Activities and Experiments: There are several experiments and in-class activities scheduled in this course. In-class activities and experiments cannot be made up. You must be present the day of the experiment/activity to receive credit. One absence will be allowed.

Assignments and Quizzes: There will be several graded homework assignments and quizzes during the semester. Assignments may be online or due in class and must be completed and turned in by the due date and time specified. Both in-class and online quizzes may be given. There are no makeup assignments or quizzes. The lowest grade will be dropped.

Attendance: You are expected to attend classes and are responsible for all material covered in the lectures. Some of the lecture material may not be available in the textbook or on Blackboard.

Electronic Devices: Cell phones, laptops, and other electronic devices should be turned off and put away during class. You may use only standard scientific calculators during exams.

Environmental Chemistry (CHE100-01)

Fall 2016 Tentative Course Schedule

Day	Topic
T 8/30	Introduction
F 9/2*	Chemical Equations
T 9/6*	Atomic Structure
F 9/9	Atomic Structure/Air Pollution
T 9/13	Air Pollution
F 9/16*	Experiment 1
T 9/20*	Moles and Molar Mass
F 9/23	Exam 1
T 9/27	Chemical Bonding
F 9/30*	Chemical Bonding
T 10/4*	Chemical Bonding
F 10/7	Carbon Dioxide and the Greenhouse Effect
T 10/11	No Classes (Columbus Day/Fall Break: 10/10-11)
F 10/14	Carbon Dioxide and the Greenhouse Effect
T 10/18	Ozone Layer
F 10/21	Acids and Bases
T 10/25*	Molarity and pH
F 10/28*	Experiment 2
T 11/1	Acid Rain
F 11/4	Exam 2
T 11/8*	Energy
F 11/11*	Energy
T 11/15	Polymers and Plastics
F 11/18	Polymers and Plastics
T 11/22	Review
F 11/25	No Classes (Thanksgiving Break: 11/23-25)
T 11/29*	Presentations
F 12/2*	Presentations
T 12/6*	Presentations
F 12/9*	Presentations
F 12/16	FINAL EXAM 10:15 AM – 12:15 PM (Cumulative)

*In-class activity/experiment scheduled.