

CHEMISTRY 110, PRINCIPLES OF CHEMISTRY, FALL 2010

INSTRUCTOR: Dr. Eugene Wagner

OFFICE: Chevron 107E & Thaw 400

OFFICE HOURS: TBA, or by appt.

PHONE: 624-2861

E-MAIL: ewagner@pitt.edu - This is the best way to reach me.

CLASS WEBSITE: <http://chemicaleducation.org> Always refer to the site for updated information.

TEXT & SUPPLEMENTAL MATERIALS:

Obtain from the bookstore:

1) *General Chemistry, 9th Ed.* Author: Ebbing and Gammon, \$ way too much

2) *Laboratory Instructions for Chemistry 0110*, ~\$18

3) Laboratory goggles \$5

Not required, but usually extremely helpful.

Dr. Wagner's Interactive Lecture Notes and Workbook for General Chemistry 0110, 6th Ed. ~\$15

(Notes sold by Pitt Student ACS section, a non-profit student club. Purchase in Chevron 107)

OBJECTIVES OF COURSE: The primary purpose of this course is to **increase your ability to critically think and analyze data and information** to solve problems, and to help you understand how to **become a better learner**. The most important attributes that you must bring to this course are an enthusiasm for learning, an open mind, and a willingness to change.

LABORATORY: Lab meets the first day (8/30) of the semester. See your lab syllabus for more information. The schedule of experiments is on the website.

RECITATION: **Everyone must attend recitation, regardless of whether you are re-taking the course or signed up for Chem410.** These sessions are during the first hour of your scheduled lab period. The purpose of the recitation is to provide you with an opportunity to learn the more complicated material that you are having difficulty understanding on your own. It is imperative that you come to the recitation well prepared, meaning that **you have worked on the course material to the best of your ability before recitation.** The most likely consequence of not doing so will be very poor performance on the graded recitation quiz.

HOMEWORK: Homework assignments for each chapter are listed on the course website. Homework will be collected during the recitation at the discretion of the instructor. **Always bring your completed homework to recitation.** You will be accountable for the content and concepts introduced and exemplified in these homework problems.

ATTENDANCE POLICY: Attendance at all lectures and recitations is very important. You will be responsible for all material and concepts covered in the lectures, lab experiments, assigned readings, textbook, quizzes, and homework sets. **If you miss a graded assignment, you will receive a zero for that assignment. There are no make-ups for assignments.** You must attend your registered lecture and laboratory sections at all times. Assignments completed at lecture/lab sections other than your officially registered sections will be discarded and you will receive a zero for the assignment.

DISABILITY SERVICES: If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact me and the Office of Disability Resources and Services, 216 William Pitt Union, (412) 6487890/(412) 383-7355 (TTY) as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

ACADEMIC HONESTY: Students are responsible for knowing and observing the University of Pittsburgh Code of Student Academic Integrity, which forbids cheating, fabrication or falsification of information, multiple submission of academic work, plagiarism, abuse of academic materials, and complicity in academic dishonesty. Academic evaluation in this course includes a judgment that the student's work is free from dishonesty. Students who are suspected of violating this code will be required to participate in the legal procedural process as outlined in the University Guidelines on Academic Integrity.

CODE OF CONDUCT AND PROFESSIONALISM: **You are required to always conduct yourself in a professional and courteous manner** toward the professor, recitation instructors, laboratory instructors, and to all other students in the class. **Take responsibility for your actions** (It is not the fault of your alarm clock or lack of parking spaces that you are late for class). **Your score in the class will be significantly reduced for any unprofessional behavior and/or lack of responsibility as determined by the professor, recitation instructors, or lab instructors. All cellular phones, beepers, and chimes on watches must be turned off during class. Fail to do so will result in dismissal of that day's class, including exam days, and a loss of class points.** Class points will be lost and legal action will be taken if you are found vandalizing the classroom. Attend class on time and do not leave early. Any exceptions to these policies must be discussed with the instructor at the beginning of the semester or class period. Please refrain from any other behavior that is disruptive or distracting to other students.

LEARNING CHEMISTRY: In order to **learn** chemistry, you must **practice** chemistry. Although a certain amount of memorization is necessary, memorization alone will not be sufficient. You must attempt to understand the concepts involved. Work enough problems and ask enough questions until you master the material. Do not expect to completely master new ideas in one reading. Students who attempt to learn everything by "cramming" the night before the exam are not as successful as those who spend time everyday reviewing the material. **You are encouraged to work with other students in the class in a constructive manner. Remember that your grade is not determined by your colleague's performance.**

TENTATIVE EXAM SCHEDULE:

EXAM 1	Oct. 7 th	Chapters 1-4
EXAM 2	Nov. 11 th	Chapters 5-8
FINAL EXAM	Dec. 14 th at 4pm Room TBA	Comprehensive (Chapters 1-12)

GRADING SCHEME & TENTATIVE GRADING SCALE:

Recitation	100 points	A-,A,A+	85% ↑	(above 509 points)
Exam I	100 points	B-,B,B+	74 – 84%	(444 – 509 points)
Exam II	100 points	C-,C,C+	60 – 73%	(360 – 443 points)
Laboratory	100 points*	D-,D,D+	40 – 59%	(240 – 359 points)
Final Exam	200 points	F	39% ↓	(below 240 points)
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"+" & "-" letter grade cut-off values will be determined by Dr. Wagner at the end of the semester.

* You must record a score of 70 or higher in the laboratory in order to earn a passing grade for this course.