



CHEMISTRY 0110-1480

Fall 2018

Instructor Information

Dr. Margaret A. Vines

Office: 309 Chevron Science Center

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Office Hours: By Appointment

Course Information

Lectures: MWF 9:00-9:50 AM

Room 150 Chevron Science Center

Textbook and Materials

Ebbing and Gammon, *General Chemistry*, Eleventh Edition.

Sapling (Electronic Homework)

Top Hat (Audience Response System)

CHEM 0110 Student Lab Manual (**required for CHEM 0110 students**)

Safety Goggles (**required for CHEM 0110 students**)

Scientific Calculator (**required**)

Blackboard (Course Web): A Course Web site has been set-up for this course section. You will be added to the site when you register for CHEM 0110 but for CHEM 0410 you will need to be added manually.

Course Objectives:

1. Understand and be able to explain the general principles, laws, and theories of chemistry that are discussed and presented throughout the semester
2. Use critical thinking and logic in the solution of problems
3. Apply learned chemistry skills to new situations
4. Demonstrate an understanding of chemistry through technological advancement
5. Apply chemical principles in the laboratory setting

Attendance: Students should attend lecture. Lecture gives students the opportunity to understand the material in a different manner. Additional material and examples will be presented during lecture.

Classroom Etiquette

A student has an obligation to exhibit honesty and to respect the ethical standards of the profession in carrying out his or her academic assignments. Without limiting the application of this principle, a student may be found to have violated this obligation if he or she: Indulges, during a class, examination session, or any other academic setting, in conduct that is so disruptive or disrespectful as to infringe upon the rights of the instructor or fellow students.

Please be considerate of your other classmates. Some students are easily distracted, so I ask that you arrive on time, ready to learn, and do not depart early. Students who disrupt the class will be asked to leave. No talking, and put down your phone useless using it for class designated purposes. No texting, snap chatting or other type of communication using your phone during class unless it is for class designated purposes. Audio or video recording is prohibited unless you obtain permission from me beforehand.

Absences: There are **NO** makeup exams except in the case of a serious family or medical emergency or official University of Pittsburgh business. If you miss an exam due to one of these reasons you must notify me immediately. If you know you will miss an exam beforehand, we can make arrangements.

Recitation and Lab Make-ups: All students are required to attend their scheduled recitation for this course. If you need to miss recitation, please arrange with your recitation instructor to make-up the recitation and material. In general, you may attend another recitation within the same week for make ups (**this may mean you have to attend an earlier section**).

Please refer to your lab manual for directions on making up a lab session.

Re-Grading Policy: If you feel your exam was graded improperly, you may return your entire exam for a re-grade within one week of the date the answer key was posted. A written explanation must accompany the exam explaining the error made in grading. The entire exam will then be subject to re-grading.

Academic Integrity:

A student has an obligation to exhibit honesty and to respect the ethical standards of the academy in carrying out his or her academic assignments. Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Pittsburgh Policy on Academic Integrity, will be required to participate in the outlined procedural process as initiated by the instructor. A minimum sanction of a zero score for the quiz or exam will be imposed. Furthermore, no student may bring any unauthorized materials to an exam in particular **cell phones**.

<https://as.pitt.edu/faculty/policies-and-procedures/academic-integrity-code>

Students with Special Needs: If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services (DRS), 140 William Pitt Union, (412) 648-7890, drsrecep@pitt.edu, (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

Success: This class is a 4-credit course with a lab and is a heavy load so schedule your time appropriately. Many successful students report they have committed around 5-7 hours of out of class time a week (more exam week) to CHEM 110. Here are some tips for studying chemistry that I did not write but agree with whole heartily.

<https://www.upb.pitt.edu/uploadedFiles/Study%20Tips%20for%20Chemistry%20Students.pdf>

Help: You may obtain extra help from the following sources:

1. UTU Help Session: Schedule will be available on course web.
2. Your Lecturer (Dr. Vines Probability Hours) or TA/UTA
3. Chemistry Department Tutoring: FREE TUTORING SESSIONS are held on the 2nd Floor Balcony for all chemistry students.
4. Peer Tutoring
 - one-on-one: make an appointment, call 412-648-7920, or stop by the tutoring office at G-1 Gardner Steel Conference Center. Appointments are one hour long and are held in Gardner Steel.
 - Drop-in tutoring: You can also just drop in. Drop-in tutoring is available Sunday through Wednesday from 6-9 p.m. There is no limit to how many hours of drop-in tutoring you may use.
5. Form a study group with other students

GRADES

I do not give grades. You earn them.

On-line Homework: Chemistry is best learned by regularly practicing problems and thinking through the concept behind each step. Homework assignments will be completed through the online system, Sapling. The assigned problems should be considered the bare minimum; more practice problems are available at the end of the chapters in your book.

Testbook Problems/UTU Worksheets: Chemistry is best learned by regularly practicing problems and thinking through the concept behind each step. Additional practice problems are assigned on the class schedule. These problems will not be collected or graded but you are expected to complete all the problems in order to succeed in this course. I also suggest attending a UTU session and working on those worksheet problems.

Bonus Problems: I will give out bonus problems periodically throughout the semester; on average one bonus problem a chapter and point value will be given on the bonus. These are challenging problems and represent exam level questions. The bonus problems will be distributed at the end of class and due the beginning of the next class. There is no partial credit or make-ups on bonus.

Recitations: Since the lecture portion of the class is large in size, weekly recitations give you opportunity to receive more personal and individual attention. This portion of the class allows you to work on your problem solving and critical thinking skills so essential in the field of chemistry. A brief quiz or Recitation Exercise (RE) will be given each week except as noted in the course schedule. Quiz questions will often reflect homework material but can also include lecture information. This is to help you keep on track with the material and show you areas where you may be behind.

Laboratory: Laboratory is where chemistry comes alive. This is where you can see the concepts you are learning in lecture play out to observe and understand them for yourself. This is where you become a true chemist and learn experimental techniques and begin to explore on your own. In order to complete your lab work in a safe and effect manner you need to be prepared for your lab before you enter the lab class. This will also allow you to gain as much knowledge from you experiment that will later help you in this class as well as others. You will have a pre-lab and a lab due almost every week this semester as well as a lab final. Your lab instructor will give you the exact requirements and the lab coordinator and manger will determine you grade and report that percentage to me.

Exams: Three exams will be given the week specified on the class schedule. The exact day will be determined closer to exam time. Exams are limited to 50 minutes each and will include multiple choice and free response questions.

Final Exam: The final Exam is comprehensive and must be taken at the scheduled time.

Course Mechanics: The final grade for CHEM 0110 will be determined from the following:

Recitation (Quizzes, RE, Sapling, Top Hat)	150
Laboratory*	200
Exam 1	100
Exam 2	100
Exam 3	100
Final Exam	<u>200</u>
	850 pts.

Notes on **Course Mechanics**

The **TOTAL** points listed here is an approximation. More assignments or “pop” quizzes may be added, or adjustments may be made on the possible points on individual items.

*Note that according to Departmental Policy, if you earn a failing grade in the laboratory component of this course, you will receive a failing grade in the course.

If you are registered for CHEM 0410 (no lab), your course grade will be the same as above except no lab grade and therefore out of 650 pts.