Objectives: CHEM 1211 is an introduction to the language and most fundamental skills of the chemist. Much of the terminology is applicable in other scientific fields. Thus it is a chemistry course for all science majors. CHEM 1151/1152 are the recommended courses for pre-nursing. Consult your advisor if you are not sure you are in the correct course. In this course, the concept of the nuclear atom, quantum theory, bonding, intermolecular forces, the mole concept and chemical reactions are stressed. Every topic discussed in this course will be applied in further chemistry courses you take, such as CHEM 1212 and the organic sequence.

Prerequisites: Math 1111, grade of C or better, thus it is expected that you have a thorough knowledge of arithmetic and algebra. If you are planning to enroll in Chemistry 1212 next term (and you should be!), you should be aware that precalculus (Math 1113) is a prerequisite, as is a C in this class. It is not recommended that you skip a semester between CHEM 1211 and CHEM 1212.

Required Materials: Chemistry an atoms-focused approach, by Gilbert, Kirss, and Foster (including student access to the internet program “SmartWork”), a scientific, nonprogrammable calculator (recommended TI-30X); a lab notebook with duplicate pages and a pair of safety glasses or goggles are required. Your online homework assignments must be completed in SmartWorks. You may find The Official Guide: Preparing for the ACS Examination in General Chemistry help as you will be taking a final exam published by the American Chemical Society.

Assignments: To assure you keep up with the pace of the course, there will be many homework assignments and weekly (Monday) quizzes. Some of the homework assignments will be from the SmartWorks website, some will be downloaded from the course website, there may even be in-class exercise. There will usually be a Wednesday problem which can be downloaded from the course website. Problems will be posted by 6 pm on Thursdays and is due at 5:30 pm the following Wednesday. At the beginning of class, at least 15 students will be asked to turn in their Wednesday Homework. If you do not turn the assignment in when called, you will receive a zero. Late assignments will NOT be accepted. Each assignment or quiz is worth 10 points. The four lowest assignments will be dropped and the rest will be averaged for a total assignment grade. Everyone will have the opportunity for at least 16 assignments. Thus, the more assignments you do, the less each individual one is weighted. Students who miss 4 or more assignments and/or quizzes may be withdrawn from the course.

Other Homework: Doing only the assigned homework will NOT be sufficient to pass this course. You should also complete the in-text and end-of-chapter problems. Although these will not be assigned in class, as we cover each topic area in class, work on the corresponding problems. Chemistry is learned through practice! See website for other studying suggestions.

Extra Credit: Extra credit will be available on all exams and some assignments and quizzes—although questions may not be identified as extra credit. No other extra credit will be available.

Grading: Your final grade will consist of 3 hour exams, assignment/quiz average, lab average and final exam. Two best exams and your assignment/quiz average are each worth 15% of your overall grade (45%); your lowest exam is worth 10% of your overall grade; your lab average is worth 20% of your overall grade and the final exam is worth 25% of your overall grade. An overall grade of 90% or more is an “A”; 89-80% is a “B”, 79-70% is a “C”; 69-60% is a “D” and lower than 60% is an “F”.

Laboratories: Lab is considered an integral part of this course, so absences from lab are also taken very seriously. You are expected to be on time with your lab notebook, calculator, pen and dressed appropriately with the pre-lab assignment completed. If you miss 3 labs for any reason, you will be withdrawn from the course. Lab begins NEXT week, as scheduled. Students who violate any safety rules, including coming unprepared for lab (wrong clothes, no notebook, etc.), will not be permitted in lab and receive a zero for that experiment. Students who consistently violate safety policies may be withdrawn from the class. There is a lab syllabus detailing these lab policies on the course website. Your two lowest lab scores, not including the lab final, will be dropped. The rest will be averaged for your lab average.
Attendance: You are expected to attend lecture and lab sessions regularly. If you miss a lecture session, it is your responsibility to find out what material was covered and what announcements were made. You are also responsible for all announcements made on the course website. If you are absent from four lectures you will be dropped from the course. Attendance will be determined by having taken the Monday quiz or collecting Monday’s quiz on Wednesday. If you were late or unable to take or collect the quiz, see the instructor at the end of class to be counted as present. It is the student’s responsibility to be sure their attendance record is correct. If you miss 3 labs for any reason, you will be withdrawn from the course. Missing an exam without a legitimate excuse is also grounds for withdrawal. Students who miss 4 or more assignments (on-line, quiz or printed) may be withdrawn from the course. This instructor will only withdraw a student after midterm (10/13) with the accompanying WF grade, regardless of when your absences occurred. Midterm is the last day that a student may withdraw from a course with a grade of W.

Make-ups: There will be NO MAKE-UP ASSIGNMENTS, QUIZZES OR LABS. (Remember, there are drops!) If you are aware of an upcoming, excused absence (e.g., athletics) you must turn in the assignment or take the exam early. (You will just have to live with missing the quiz.) If you would be missing a lab, you may request to participate in lab at another time that week. (This option is on a space-available basis, ask early! Do not assume it is ok to show up at any time you chose. ) If you cannot participate in the lab during one of the regularly scheduled times, it becomes a drop. If you miss an exam, and contact me within 1 hour after the end of the exam, you may make it up provided you can do so before the exam is returned to students. If you cannot make it up within this deadline OR you miss a second exam, you must provide authoritative documentation (I decide who is an authority) to make up the exam and expect the make-up to be more difficult than the original exam with no opportunity for extra credit.

General Policies: Calculators cannot be shared; you are expected to have yours with you in every class and in lab. The student may use only a nonprogrammable scientific calculator, pencil and eraser during a quiz or exam. These will not be provided by the instructor! Clear your desk of all other items. If you do not bring a calculator or the correct type of calculator, you will have to do the test or assignment without one.

Cell phones are rude and should be turned off before coming to class. Texting during class is not permitted. If you don’t feel that you need to pay attention, maybe you should be somewhere else. The instructor reserves the right to embarrass the student whose cell went off in any way, including pop quizzes for the entire class.

Lab tops may be used only in the last row and must be on mute. (So that you don’t distract the people behind you.)

Cheating will not be tolerated. This includes collaborating on graded homework, quizzes or on exams. You may discuss homework, but homework should be your own words and work. Copying someone else’s answers IS cheating and will receive a zero at best. See the catalog or the student handbook for more specific details on academic honesty.

If an error was made in grading an exam, quiz or homework, the student has two class days after it was returned to the class to request a reevaluation in writing. It is the student's responsibility to pick up the exam (or quiz) if not present when it was returned.

Important Dates (tentative schedule)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Coverage</th>
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<tbody>
<tr>
<td>September 22</td>
<td>Test 1</td>
<td>Covers Chapters 1-3 and selected parts of chapter 21</td>
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<tr>
<td>October 27</td>
<td>Test 2</td>
<td>Covers Chapters 4-6</td>
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<tr>
<td>November 24</td>
<td>Test 3</td>
<td>Covers Chapters 7-8 maybe part of 10</td>
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<tr>
<td>December 10</td>
<td>Final Exam</td>
<td>Cumulative over the entire semester. Includes all of Chapter 10.</td>
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