

AP Chemistry Course Outline

Course Description: This course is the equivalent of the General Chemistry course taken by science majors in college.

AP Exam: Date- Monday, May 5. Fee- 89\$. Everyone will take the AP exam in the spring. This exam will determine whether you will receive 0 to 8 hours of college credit for general chemistry.

Online grades: Please use RenWeb to see current grades and messages to you and your parents. If you do not have a current password, get one immediately. I will update it weekly and you should check it weekly.

Advanced Placement Note: From the handbook, "Students who take AP classes will have 5 points added to their semester average for both semesters."

Grades: Grades will be determined by the following percents: 60% tests, 20% homework, 15%labwork, and 5% topic quizzes. There will be approximately 5-6 tests each semester. Homework will be graded for accuracy. Lab grades will include prelabs, lab write-ups and lab questions. Each nine weeks will count 40% of your overall grade. The final exam will count 20%. Everyone must take the final exam.

Required Materials: 1. Summer work book 2. Scientific calculator or graphing calculator. 3. Textbook. 4. Lab goggles. 5. Lab notebook (I will provide this)

Lab Safety: All students and their parents must read and sign a lab safety contract. Students will not be allowed to participate in lab until turning in the contract. Lab goggles must be worn at all time in the lab.

Morning Work: There will be many days when morning work will be necessary. Most of the time it will be optional. Mornings will be used to complete lab work, help each other with homework, or get help from me. Morning work is needed because course time requirements are 6 periods of class time per week and we only have 5 periods.

Course Outline:

Stoichiometry (Ch 1-3) 2 weeks

Reaction Types (Ch 4, EQ Ch 2-10) 2 weeks

Structure of Matter (Ch 5 – 8) 4 weeks

Reactions and Calculations (Ch 10-11) 2 weeks

States of Matter and Solutions (Ch 12-14) 2 weeks

Thermodynamics, Kinetics, and Electrochemistry (Ch 15,16,21) 4 weeks

Chemical Equilibrium (Ch 17-20) 5 weeks

Nuclear and Organic (Ch 26,27) 1 week

Topical Review and In-depth discussions of topics

Make up work: If you are absent, it is **your** responsibility to find out what you missed and to complete the work in a reasonable amount of time

Homework Policy:

- Please label homework at the top of the page with your name, name of assignment, chapter, and date.
- Please show all of your work on ALL homework problems.
- We will not have time to go over the homework problems in class. I will be glad to help you with them in the morning before school
- Homework will be graded for accuracy.
- Late work is NOT acceptable. If you do not have your work when it is due you will NOT be given credit.
- Homework is due at the beginning of class on the due date.
- If you are absent you are still expected to get your homework completed on time.
- Some of these problems are long and hard therefore to encourage you to work ahead and to help me with grading, we are going to try a system in which you could earn extra credit for completing assignments early.
 - * 3 days early 15% extra credit
 - * 2 days early 10% extra credit
 - * 1 day early 5% extra credit
 - * Due Date 0% extra credit
 - * 1 day late NOT ACCEPTABLE

Classroom Management:

We all have times when we get the wrong notebook from our locker or need to run to the restroom in the middle of class. This three strike policy will allow you to have those times when you forget or mess up, but still hold you accountable. Rather than counting off of your academic grade, I plan to use detention as a way to promote good classroom behavior. At the bottom of the page you will find a list of classroom expectations followed by the abbreviation for that suggestion. These are things that you should be doing that will help you to succeed in my class. If you are not doing one of these things, I will write it down as your “First Strike”. If it is reasonable, I will ask you to initial that I have warned you. If at another point during the nine weeks you are not following these guidelines, you will receive your “Second Strike”. If you receive a “Third Strike” you will also receive detention that day. Any strikes following the “Third Strike” will also receive a detention. At the end of the nine weeks the slate is wiped clean and we will start over.

Classroom Expectations – How to succeed in my class.

1. Make sure you are in your seat ready to start class when the bell rings. (T)
2. Bring your book, notebook and homework to class with you so that you do not need to leave class to go to your locker. (L)
3. Make sure you use the restroom between classes and not during class time. (RR)
4. Please be in dress code at all times in my class. (DC)
5. Do not fall asleep during class. (S)
6. Actively participate by taking notes during class. (N)
7. Do not allow other things to distract you such as cell phones. (CP)
8. Focus on chemistry during class and not other things such as homework for another class. (OW)
9. Do not be disruptive during class. Only talk when called upon. (D)
10. Do not distract yourself with food or drink during class. Only water in a sealed water bottle is allowed. (F)