General Chemistry I 2011-2012

Contact Information:

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Course Website: http://www.engrade.com/acalbert

Course Description

General Chemistry is designed to teach the principles and applications of chemistry. Chemistry is the study of matter and its changes. Therefore, to study chemistry is to study all that is central to our lives. Many concepts are abstract in nature – atomic structure, chemical bonding, reaction mechanisms – and many involve an analytical or mathematical approach for understanding. The student will use the scientific method in solving practice problems and in the laboratory. Many concrete applications of chemistry will be discussed since these touch our lives daily. This course should aid the student toward becoming a better consumer and a more scientifically literate citizen. Lecture, lecture/demonstration, group work, library research, project based learning, and laboratory experience will be incorporated to achieve the objectives of this course.

To help with the organization of this course, we will involve a number of online aspects that will allow students and parents to remain knowledgeable about content and assignments. Engrade will be used to track student grades, and will also have class and project assignments as well as notes loaded as attachments that can be accessed at any time.

Materials

Text: Myers, Thomas. Chemistry. New York: Holt, Rinehart, and Winston, 2004. Print.

- **bound** composition book (200 pages if possible, otherwise might need 2 for whole course)
- blue or black pen <u>and</u> red pen
- 1 roll of tape and 1 glue stick

Expectations and Procedures

Assignments will vary but will usually include reading, problem solving, individual and group projects, and writing assignments involving research. All notes, free writing, lab notes and data, constructed responses, classwork, and most homework assignments will be kept in the bound composition book. The composition book will be collected periodically and given a notebook grade.

<u>Homework</u> will most likely be reading and problem solving. It is important that students review notes and read ahead in the study guide or text to be prepared for the next class.

<u>Class Participation</u> will be assessed on a daily basis and may include completing daily warm-ups on the board, practice problems, leading group activities, answering questions, asking questions, helping your fellow students, and other such activities.

<u>Quizzes (will typically be every other Friday)</u> pertaining to the material covered throughout the previous 2 weeks. It is critical that students review notes and work performed for maximal success.

<u>Exams</u> will test the information and concepts from multiple chapters. It is critical that students review notes and work performed throughout the unit for maximal success.

Make-up quizzes and exams will be given to students with excused absences only. Unexcused absences will result in a zero for any work missed. *<u>Arrangements to take a missed quiz or test must be made the day the student returns to school or before leaving on a school approved absence, including</u>*

absences to participate in performances. Quizzes should be made up within two days and exams within one week after an absence. *Students are responsible for all assignments given in class even when absent, and for scheduling make-up work. Check with Mr. Calbert for assignments. Everything in class goes on the course website so you should be able to keep up.*

After one week from the due date, late assignments can only receive a maximum of 65% or a D. If you are absent when a writing assignment is due, please email your work to me so it will not be considered late.

Cheating is forbidden. This includes blatant copying or “borrowing” of homework assignments and laboratory reports, and the use of your graphing calculator for programming mathematical and chemical formulas. All parties involved in cheating will be given a zero on the assignment.

Students are expected to:

1. **be considerate and thoughtful of others feelings;**
2. **respect one another;**
3. **demonstrate trustworthy behavior;**
4. **monitor their own speaking level for appropriateness**
5. **come to class on time**

in order to achieve a positive, active working academic environment. In achieving the above expectations, the following criteria must be met:

1. DO NOT TOUCH CHEMICALS AND/OR EQUIPTMENT UNLESS INSTRUCTED TO DO SO BY MR. CALBERT
2. BE KIND and hold respect and appreciation for your fellow classmates and teachers (i.e. do not make fun of other people, no fighting, no cursing, do not interrupt our learning environment, follow directions, etc.)
3. COME TO CLASS PREPARED for learning (bring your pens/pencils, periodic table, notebook, homework, etc. DAILY).

Ramifications/consequences for not meeting expectations:

If the above expectations are breached, the student may expect:

One on One conferences
Writing Letters of Respect
After /Before school detention – applies for tardies and behavior
Phone calls/emails to parents
Parent conferences
Disciplinary referrals

Special note: If you are having difficulty with this course, please make an appointment to see me as soon as possible.

Grading Policy

Per Advisory:	Grading scale:
Grading Criteria:	A = 100-93
Participation- 15%	A- = 92-90
Classwork- 17.5%	B+ = 89-87
Homework- 17.5%	B = 86-83
Tests and Quizzes- 25%	B- = 82-80
Projects/Labs- 25%	C+ = 79-77
	C = 76-73
	C- = 72-70
Course Grade = Avg of 4 Adv Marks & Final Exam	D+ = 69-67
	D = 66-64
	F = 63-0

Attendance and Punctuality: Attendance and punctuality are required for every class for every student. If students are absent or late without a valid excuse and do not complete a compensatory make up time, it will lower their grades. As stated in the Handbook, 5 unexcused absences will result in an F for that Advisory of the course (3 tardies = 1 unexcused absence). Late work will only be accepted with permission from teacher. Guidelines from the Student Handbook will be used for attendance, tardy, and truancy issues.

Course Content

The material to be covered each advisory is given below. Miscellaneous topics may be covered at any point in the year as time permits.

First Advisory: Material covered will include: atomic structure; nuclear chemistry;

Second Advisory: Material covered will include: properties of matter; the periodic table;

Third Advisory: Material covered will include: chemical names, formulas and compounds; chemical bonding and Lewis dot structures;

Fourth Advisory: Material covered will include: chemical reactions and equation balancing; mole and mass relationships; gases and gas laws.

I have read and understand the above objectives, methods, procedures, expectations, policies, obligations, evaluation criteria, and course content

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Student Signature Printed Full Name Date

Student email ______________________________ Student phone # ________________

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Parent/Guardian Signature Printed Full Name Date

Parent email ______________________________ Parent phone # ________________