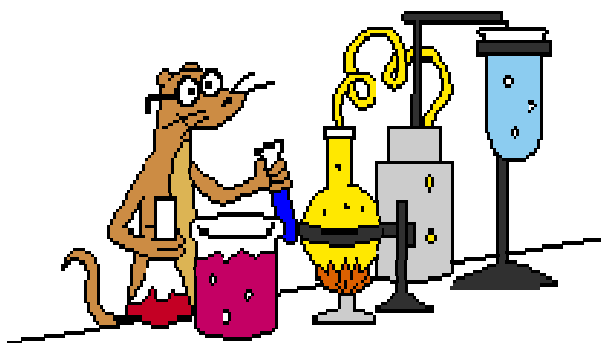


General Chemistry
Syllabus
2007-2008



Andy Eley
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Greater Atlanta Christian School
General Chemistry

Year: 2006-2007

Instructor: Andy Eley

Voice mail: #619

Dear Parents and Students:

How does a poisonous gas chemically combine with a highly reactive metal to form a compound that is used for the preserving and seasoning of food? Why do some materials and solutions conduct an electric current? These are samples of questions we will investigate and analyze this year in General Chemistry. As we increase our technology, we find more and more answers to the questions that have been asked for years.

It is the objective of this class to motivate and encourage an investigative attitude to learn how General Chemistry affects and relates to our everyday lives. Also to obtain an understanding of matter and make practical applications as it relates to us and our surroundings. We will investigate and confirm classroom examples by participating in hands-on lab activities. ***A well educated and knowledgeable student is molded by hard work and self-investigative learning.***

In studying the relationships and structure of matter, it shows a distinct comparison between a small atom and the vast universe. Such organization and detail cannot be a result of chance, but supports the careful planning of intricate pieces of a puzzle that produces a masterful work of art. Our study will support Creationism and the existence of a **SUPREME CREATOR**.

We hope to give your son/daughter a productive and enjoyable learning experience while attending GACS. WE are excited about the coming year and look forward in forming new relationships with students. The following pages are to inform both parents and students of the classroom guideline, objectives and expectations for the coming year.

Respectfully,

Andy Eley

Textbook: Modern Chemistry by Holt, Rinehart, and Winston 2002

Areas of Study:

1st Semester

Chp 2-Measuring and Calculations
Test #1
Chp 1-Matter and Change
Test #2
Chp 3-Atoms: Building Blocks of Matter
Test #3
Chp 4-Arrangement of Electrons in Atoms
Test #4
Chp 5-The Periodic Law
Test #5
Chp 6-Chemical Bonding
Test #6
Chp 7-Chemical Formulas and Compounds
Test #6

Semester Exam

2nd Semester

Chp 8-Chemical Equations and Reactions
Test #1
Chp 9-Stoichiometry
Test #2
Chp 10-Physical characteristics of gases
Test #3
Chp 11-Molecular composition of gases
Test #4
Chp 13-Solutions
Chp 14-Ions in Aqueous solutions
and colligative properties
Test #5
Chp 15-Acids and Bases
Chp 16-Acid-Base titration and pH
Test #6
Chp 20-Carbon and hydrocarbons
(Evaluation of this material
will be included on Final exam.)

Final Exam

Classroom activities:

1. Laboratory activities
2. Demonstrate understanding of topics related to Chemistry.
3. Demonstrate problem solving strategies.

Standard subject supplies:

1. Three ring binder specifically for this subject.
2. Pen and pencil
3. Subject dividers for binder
4. At least a TI-83 calculator

Notebook: A key to success in this course is to keep up with all related material. To facilitate this, a well organized notebook is encouraged. The notebook should contain 4 designated sections: class notes, homework papers, tests and quizzes, and laboratory reports.

- A. Keeping graded homework assignments will give you the opportunity to check and make sure the proper grades have been entered in the gradebook.

- B. The semester and final exam questions will be taken from the chapter tests.
Securing these tests in your notebook will assure you have the materials to study and prepare for your exams.
- C. Format for lab section of notebook:
Your lab notebook will be maintained for the duration of both semesters.
Do not discard any materials from your lab notebook. This notebook will be submitted at the end of each semester for a major grade.
-A typed Table of Contents will be kept current and formulated at the front of the notebook.
The first entries will be Syllabus, Laboratory Safety rules, Lab Safety Quiz, Laboratory Equipment, then Experiments.
-As labs are added to this section they will be added to the table of contents. They will be added entered in order as the year progresses.

Homework guidelines:

Chemistry is presented with many “building blocks” that progressively accumulate making it important to understand early concepts. Homework assignments function in reinforcement and understanding over concepts and procedures covered in class. Failure to complete these assignments on time can affect your grade significantly.

1. Weekly assignments are given at the beginning of each week. (These can also be found on the website).
2. Homework should be completed ready to hand in at the beginning of the period.
3. **All work is to be done in pencil.**
4. **Do not copy work.**
5. Listen and follow instructions the **first** time.
6. Demonstrate a positive attitude toward others and your work.
7. Give 100%!!!!
8. Make up work for excused absences is important.

Quizzes will be given periodically and may or may not be announced. It is important to stay current with homework and reading assignments.

Labs will involve activities conducted throughout the year as they relate to the concepts covered and discussed in class.

Tests will usually be given at the conclusion of each topic which may include more than one chapter. In most cases, there will be a review sheet and review session before the test.

Extra Credit: Opportunities (both announced and unannounced) to gain extra credit will be given periodically during the grading period.

Make-up Policy:

It is each **student's responsibility** to schedule any make-up work with the teacher. Make-up work for a Chapter test must be made up within five (5) days from the absence or the work will become a zero (0). Make-up lab work will bet full credit if completed before the following weeks lab period; 70% maximum credit if completed in the second week and no make-up after the second week resulting in a "0". When participating in a field trip of any kind, it is the student responsibility to make arrangements for class work missed on the day of the field trip and any assignments due for the following day.

Grade Weighting:

Homework and quizzes	20% (includes notebook checks)
Lab activities	20%
Tests	40%
Exams	20%

Semester Exams: Student may exempt only first semester exams according to the guidelines as stated in the Student Handbook. **All students will be required to take the final exam (no exemptions) which will be a yearly comprehensive exam.**

Classroom Behavioral Expectations:

A classroom with a positive behavioral atmosphere helps promotes learning and success.

1. Follow the **HONOR CODE**-this is of utmost importance.
2. Students should exhibit Christian characteristics and respect for teacher and fellow classmates.
3. Follow school policies as outlined in the Student Handbook.
4. Students should always prepare by bringing all the necessary materials to class everyday. (Pencil, paper, test, periodic table, notebook and calculator.)
5. Be in your assigned seat and prepare to begin class when the tardy bell rings.
6. Students are to remain in your assigned seat till the bell rings.
7. Listen carefully and follow directions.
8. **Food or drink is not allowed in the classroom or building. (ONLY WATER)** (Refer to Student Handbook.)
9. Do not abuse or deface laboratory desks or equipment.
10. Student cell phones are to be turned off and kept out of sight in the classroom. **Teachers reserve the right to confiscate the phone if it interferes with the learning process.**
11. Tardies (Allowance of 4 tardies, excused or unexcused, before action is taken.) (Refer to the following for disciplinary action.)
A tardy constitutes not being in your assigned seat when the tardy bell sounds.

Tardy policy: (unexcused per semester)

- 4 tardies – equivalent to 1-unexcused absence resulting in the loss of exam exemption
- 5th tardy – Administrative detention
- 6th tardy – 2 Administrative detentions
- 7th tardy – Saturday school
- 8th tardy - Suspension

Laboratory Behavioral Expectations

****Because of potential hazards in laboratory experiments, proper conduct is necessary.****

1. Designated stations will be assigned for conducting laboratory experiments.
2. Experiments will be conducted with a lab partner.
3. Each assigned station is expected to be clean and orderly for the next class.
4. Lab activity reports are to be completed and turned in by each individual student.
5. Misbehavior in lab could result from dismissal from experiments and “0’s” for all work.
6. **No horsing around !!!!!!!**

Keys to success

1. Turn in all assignments even if they are not completed. **Late work** will be accepted for excused absences and prearranged circumstances as determined by the teacher. It is the student’s responsibility to make up their assignments.
2. Take careful notes in class. The more you pay attention in class the less time you will need to spend studying.
3. Do not CRAM for a test the night before it is given. Divide the chapter into several parts and study them ahead of test time. Make-up tests will be given at designated times other than class time. It is the student’s responsibility to schedule the make up test, however, some exceptions may be applied.
4. Reading the assigned material is essential for success.

Help Sessions: Monday 7:30-8:00 am

Honor Code

Honor Code: To help produce responsible and successful student, GACS has adopted the following Honor Code which only emphasizes the characteristics that Christians should exhibit to other individuals in their everyday experiences.

In order to maintain honor in our relationships, we all agree to do what is right, to speak the truth, and strive integrity in all that we do. Therefore, we will not be involved in lying, cheating or stealing!! If we do vary from this path of honor, we will accept the correction from others and the established consequences of this school. Honor is a goal that we seek to attain.

I have read and understand the GACS Honor Code, Course Syllabus and the Classroom Management plan for General Chemistry. I will do what is necessary to make this a successful year.

Student signature

Parent signature

Please detach this sheet and return to your instructor.

