



**Class Rules: Learn these Rules and follow them at all times!**

1. Be on time for class.
2. Stay "On Task" and do your assigned work.
3. Do not use cell phones or PED's during class.
4. Remain quiet while teacher is talking.
5. Remain in your seat until the bell rings.



**Extra Help and Make-up time**

Most Mondays and  
Wednesdays  
2:15-3:30 pm after school

Course Syllabus  
**Chemistry 1**  
Course # 2003340  
Mr. Harshman's Room 5-731  
SHS 2009-2010

Contact Mr. Harshman  
Phone 955-0181 ext 64581  
or e-mail  
Andy\_Harshman@sarasota.k12.fl.us

Supplies/Materials Needed

- Textbook – Holt Modern Chemistry
- Calculator with scientific functions.
- Loose leaf paper
- Bound composition book with graphing sheets for all lab work
- Black or blue ball point pen
- 1.5-inch 3-ring notebook

Lab Donation

\$10.00 to partially cover consumable lab supplies. Save your receipt to receive credit against accidental breakage.

Schedule

Assignments will be announced during class and on a calendar on the class website, [www.mrharshman.com](http://www.mrharshman.com). If you miss a day of class or do not remember if an assignment was given, check the website!

Safety

Safety is of the utmost importance. You and your parent will be required to sign a safety contract prior to participating in lab activities. You can find a copy of that contract at [www.mrharshman.com](http://www.mrharshman.com). Study it carefully.

Grading

Portfolio/Homework 10%

The portfolio will include all homework and classwork. Homework is due the day after it is assigned on the class calendar. Homework will be stamped upon completion and placed in the portfolio. The portfolio is due at the end of each unit. A table of contents will be provided.  
**Late portfolios -20%! More than 3 days late = no credit!!!**

Employability 20%

Starting with 100 points per quarter, there will be a loss of 4 points for each unexcused absence, 2 points for tardy to class, 2 points for each assignment not turned in, 1-2 points for not preparing for lab including report sheet setup and safety equipment (glasses, shoes, etc.), and varying points for misbehavior.

Labs 35% Grade

Please refer to the lab report guidelines to see the proper format for lab reports. One lab will be graded per lab group via a random selection process. Don't slack...your lab could be graded twice in a row!!! In addition to the lab report, organization and cleanliness will be a part of the Lab grade.

Tests & Quizzes 35% Grade

Tests covering one or two chapters, reading, lecture, & lab quizzes will be administered periodically. There will NOT be any pop quizzes or tests. The total of all test and quiz points will be evaluated against total possible points for Test and Quiz portion of grade.

Course Description

This is an introductory cooperative lecture/lab course intended to prepare students for entrance into college general chemistry. Topics include the nature of science, matter: its classification, structure, and changes, atomic theory, the periodic table, bonding, chemical formulas, chemical reactions, balanced equations, stoichiometry, reaction rates and equilibrium, acids and bases, oxidation and reduction, behavior of gases, dynamics of energy and chemistry of life.

Course Objectives

When a student completes this class, he/she should be able to successfully matriculate into a college or university freshman chemistry course. Specific behavioral outcomes expected can be found at [www.sarasota.k12.fl.us](http://www.sarasota.k12.fl.us)

Attendance, Makeup Work, And Tardys

- It is incredibly difficult to make up for time out of the classroom, especially lab time. Be in class every day it is physically possible. As school policy states, you have the number of days you were absent to make up your work if the absence is excused. Makeup work for labs, quizzes, and tests must be completed after school (2:15-3:30PM) the Monday or Wednesday after you return.
- It is YOUR responsibility to check what work was missed and turn in on time.
- Tests and quizzes missed due to an unexcused absence result in a ZERO.
- In accordance with the SHS Behavior Management Plan, 3-5 tardys will earn the student one ½ hour detention for each tardy and loss of employability points.

**Syllabus Subject to Change**

## EXTRA CREDIT ASSIGNMENTS

Students may choose one of the following extra credit assignments to work on throughout the semester. Only one extra credit assignment will be accepted each semester. Completion of the extra credit assignment will be worth 100 points and may be used to replace any one of your lowest test scores that marking period.

### 1. Literature Review:

The student may review an article in a scientific journal, magazine, newspaper, book etc. and write a written report on the article. *The student must first get his/her article approved by Mr. Harshman.* The topic must have something to do with Chemistry. Other topics related to science may be allowed, but please check with Mr. Harshman for prior approval. The report must be typed: 12 pt font, double-spaced. The length of the report must be 4-6 pages. The report must include introduction to the topic of the article, procedure the authors used to perform the experiments, the results, the conclusions, and how the article ties into our class. More details will be provided for those students who wish to complete this assignment.

### 2. Demonstration:

Students may either find or create an *approved* demonstration related to something we have learned. Demonstrations may NOT be ones Mr. Harshman has performed in front of the class and may NOT come from the Holt, et. al. textbook. All demonstrations must include a paper which includes Title, Materials Used, Safety, Procedure, Discussion, and References. For appropriate examples please see Mr. Harshman. The student will practice the demonstration with Mr. Harshman after school. Following Mr. Harshman's approval, the student will present the demonstration to the class, explaining all inclusions from the paper.

### 3. Poster:

The student may choose a topic we have covered in class (or a topic we skipped through in a chapter) and create a poster illustrating the main concepts of that lesson. The poster must be neat, professional, and creative. The student will type up a short report on the poster that includes: background information and explains how the poster illustrated the topic to be learned. *The student must first get prior approval for the selected topic from Mr. Harshman.*

### 4. Game:

The student can create a game that will help other students understand any of the topics we have covered in class. There are no set rules for what must be included in the game; creativity is YOURS. *However, please check with Mr. Harshman before you get started to make sure your game will get the proper credit it deserves.* The game can include one chapter/topic or many chapters/topics we have covered in class. You must make the game board, pieces, question cards, etc.

### 5. Other:

Other opportunities may be available and will be announced by Mr. Harshman during the semester.

The student will receive a form indicating that he/she has successfully completed the bonus project. This will be kept in the appropriate place in the portfolio for full credit.

**Extra Credit format subject to change.**