

# AP CHEMISTRY — 2009 - 2010

**INSTRUCTOR:** Mr. Brian Hatak

**TEXT:** GENERAL CHEMISTRY, Whitten, Davis, Peck, Stanley, 7th edition, 2004 (ISBN = 0-534-40860-5)

## GRADING POLICY:

Exams .....40%

Quizzes .....25% } One drop grade will be allowed per semester,

Labs .....25% } provided all work is turned in

Homework and Comp Book...10% } and conduct is satisfactory. **(Exam grades excluded)**

**If any assignments are missing or late then no assignments will be “dropped” from the course grade.**

To receive credit, all work must be turned in on time. Late lab reports, homework and online assignments are not accepted. However, if the student is absent on the day of an exam the make-up session is on the following Thursday after school. Students need to make up lab assignments as soon as possible. Please see me about this when it comes up. Lab reports and quizzes will be turned in or made up on the day that a student returns from an absence. If the student is gone for a lengthy absence then arrangements need to be made with me, preferably prior to the absence.

## Materials:

Since AP Chemistry is a rigorous class, it is essential that you are organized. Please have these on the first day of class. Required supplies:

- Pen and pencil (daily)
- Graphing or scientific calculator (daily)(TI 80 something)
- Flash Drive (Any size is fine)
- Textbook (Needs to come to class with you)
- 1 Inch Lab Binder (To brought the first day and then left in the classroom)
- 2 Composition Notebooks one for notes and the other for lab

## HOMEWORK:

### ***Composition Notebook***

Purchase a bound Composition Notebook (the black and white covered ones from Office Depot or other stores) for class. Comp books are bound so that you cannot tear out the pages. It would be the most beneficial to purchase a comp notebook that has college ruled lines. You will probably need two throughout the year, so if you are a planner, go ahead and buy them.

We will take all of our notes from the book in this comp book. For each chapter an outline will be provided to guide you in completing your notes. **You** are responsible for getting the information on the odd pages **BEFORE** the lecture and in class (or via podcast) I will help explain what you have learned on the even pages. This means that you need to come prepared to class with your notebook already completed with that day's assignment.

### ***Instructions For Setting up your Composition Notebook***

1. You are to number your pages in your COMP book as indicated on your notebook outline, which you will receive in class or obtain from the class webpage. The **left** side of your notebook (the back of the page) should be numbered with an odd number (1, 3, 5, etc.) and the right side (front) will be numbered with an even number (2, 4, 6, etc.)
2. Each 2-page section will cover one objective. Objectives are found typed under the heading in each section. Sometimes a section will take more than one page (especially sections involving mathematical equations).

3. After each chapter notes you need to leave four or more pages of blank space. This is for extra notes and information that might spill over. At the beginning of the next chapter you will need to make it easy to find in the notebook.

**Homework quizzes will be given and graded** periodically. Most of these quizzes will be given digitally. You will be able to complete these on unscheduled hours or at home. If there are issues with this please talk to me as soon as possible. Be prepared each day for a homework quiz over the material covered in the previous day's class. Answers can be found in the AP Chemistry notebook in the science office or on Mr. Hatak's website. The best way to prepare for exams is to keep up with homework assignments. If something is unclear, please make an appointment to see me outside of class time or arrange a study session with fellow students. Your goal in completing homework assignments should be the understanding and application of chemical principles, rather than accumulation and memorization of facts. It would be to your advantage, at this time, to form a study group with AP students in your neighborhood.

### **LABORATORY WORK:**

Each student is responsible for completing all experiments assigned. For the sake of systematic record keeping, you will be required to keep a lab notebook as well as write a formal report for each experiment performed. The formal report will be due the Thursday following the date of the experiment. The lab grade will be determined on the following basis:

Performance of experiment .....	25%
Formal Report .....	75%

A detailed explanation of the notebook format and formal report will be given to you when you return to school.

### **ACADEMIC DISHONESTY:**

Students are responsible for acting with honesty and integrity. Dishonesty includes: use of unauthorized assistance or collaboration in taking quizzes or examinations, completing homework, papers, projects or lab reports. Please see Student Handbook, pp 22-23A, for complete Arapahoe Dishonesty Policy.

### **ADVANCED PLACEMENT CREDIT:**

Being labeled advanced placement implies that this course is designed to take the place of a college credit course. A college text is used, college level labs will be performed, and college level tests will be administered. By its nature and description, the class requires the maturity of a college level student. **Please be prepared to work hard and understand what this means!** All students will be asked to commit to taking the AP exam in **May, 2010**.

### **PURCHASE OF BOOKS:**

It is strongly recommended that you purchase your chemistry book. Books can be purchased at a considerable discount by shopping online. Refer to the ISBN number at the top of this page. Be sure to get the correct book. By purchasing your own textbook, you will be free to highlight important text, take notes in the margin, circle assigned problems, etc. The book will be a valuable reference book for college. If you decide **not** to purchase the book, **please send me an email at the beginning of the summer. I will meet you near school to deliver the text. There are a few copies of the**

textbook for sale at school (One has the solutions manuals or answer books for \$25). You will need a copy for the summer assignment!

## Summer Assignment 2009

I apologize for the summer assignment. However, due to the early date of the AP exam and the loss of class days due to CSAP, SAT, etc., I have found that there is insufficient time to cover all the material necessary and have time for review in the spring. I hope that you will do your best to be prepared for the first test which will cover the chapters 1-3 sometime during the first two weeks when you return to school on Aug.

Date	Chapter	Assignment
Aug. 18 – Sept. 2	1	#23, 25, 26, 27, 28, 29, 34, 41, *45, 48, 49ab, 57, *68 (13)
	2	#3ad, 4, 5, 11, 14, 15, 22, 23, 30, 33, 37, 38cde, 47, 49, *52, 61, 65, 68, *69, 77, 86, *96, 99 (23)
	3	#4, 7, 9cde, 13, 17, 29, *31, 35, 38, 41, 42, 48, 52, 57, 63, 65, 67, 71, 72, 75, 77, 79, 81, 95, 97 (25)

Beginning in late June/early July, you will find information for the notes on this material on the class webpage. Please refer to the Podcast on setting up the Composition Notebook and the first three chapter's material in June! If you would like to listen to last year's Podcasts, go to iTunes and search for Hatak. You may also go to [www.TeacherTube.com](http://www.TeacherTube.com) but that is a little more difficult to navigate. If you do not have a computer on an internet connection that will allow you to listen to Podcasts, please send me an email and I will build DVDs of the material. This will be the main way that content is presented in the class. I will explain this when we return in the Fall.

**In addition to this assignment, you are required to memorize the information on both sides of the "Common Ions and their Charges" handout. (This is the next page of this attachment/document) A quiz over this material will be given on the first day back to school.**