I. Lecture/Laboratory/Workshop

**Lecture:** Class meets MWF. PRS (clickers) will be used in class to assess ongoing comprehension. ARIS homework will be assigned on an ongoing basis.

**Credit by Exam:** Sign up ASAP. Given: Thursday 9/2, 7:00-10:00 PM

**Laboratory:** If you have completed the lab and wish to apply your previous lab grade to the present course, please see me ASAP.

Lab consists of pre – lab assignments, lab experiments, and post lab assignment

II. Course Material

**REQUIRED**

**Textbook:** Tro: Chemistry A molecular approach (2nd edition); Pearson ISBN 9780321651785

**Lecture Notes:** Kramer: Chem 104 Fall Section 010

**Lab Manual:** Experiments for General Chemistry 2nd edition by UOD, Dept. of Chemistry/Biochemistry

**Electronic Homework, ARIS:** On Line homework

**PRS Device:** i - clicker

**Lab Protection:** Safety Goggles are REQUIRED AT ALL TIMES IN THE LAB!

   - Long Pants, Shoes & Shirts with Sleeves Required.
   - NO Shorts, Skirts, Sandals, Open Toed Shoes or Bare midriffs.

**Calculator:** a NON-PROGRAMMABLE, NON-GRAPHING CALCULATOR

**OPTIONAL**


Mike Rosen Study Guide to Surviving General Chemistry

III. Tentative Grading Scheme

**Course:** Exams: 450 pts(Three (3) exams each at 113 pts best exam counts twice; Quizzes 100 pts, Laboratory 200 pts, Final Exam 150 pts, ARIS 50 pts(25 on time, 25 based on final score score), PRS 50 pts

**Laboratory:** Prelab Assignments 20%,Experiments 50%, Post Lab Assignments 20%, Quizzes 10%

**Letter Grade:** Based on total points out of 1000 possible as follows:

- A ≥ 920
- B ≥ 770
- C ≥ 620
- D ≥ 490
- A- ≥ 870
- B- ≥ 720
- C- ≥ 570
- F < 490
- B+ ≥ 820
- C+ ≥ 670
- D+ ≥ 530
IV. General Information

A. Lecture

1. There will be three (3) exams given in class on Tuesdays. Tentative exam dates:
   10/5  11/9  11/30
2. **MAKE – UP EXAMINATIONS WILL NOT BE GIVEN.** If an exam is missed, the grade on the final will be substituted for the missed exam grade.
3. You may find it useful to maintain a running list of chemical terms, symbols, and equations for review purposes.
4. Lectures emphasize main themes. You are responsible for all related material in the text even if it is not explicitly covered in class.
5. Whether or not you are present in class, you are responsible for all material, including announcements, which are covered in the lecture.
6. Additional material may be placed on the Sakai website as the course progresses.
7. Look over upcoming material before coming to class. e.g. topics, glossary of terms, section heading, etc. This will allow you to get more out of the lecture.

B. Laboratory

2. **GOGGLES** are required in the laboratory. You will NOT be admitted to the laboratory without a pair of approved splash goggles. You can purchase them at the bookstore.
3. **Pre-lab assignments** are to be completed before you come to lab. They are to be turned in at the beginning of the lab period. Pre Lab assignment consists of:
   1) Pre Lab Quiz: Read the purpose, introduction and procedure of the experiment and any additional information that is given on Sakai. When you are comfortable with the material, take the prelab quiz on Sakai. Go to the grades section, print your score on your prelab quiz and bring it to lab.
   2) MSDS information: Following the directions on Sakai, write up MSDS information on two chemicals from the experiment for the week.
   3) Procedure: Write up the procedure for the experiment and show it to the TA at the beginning of the lab.
4. **Laboratory Work:** All laboratory work, including calculations and results, is to be completed and turned in before you leave the lab.
5. **Post Lab Assignments:** Post lab assignments are follow up material to the lab that has just been completed. It is turned in before you leave the lab.
6. It is expected that all laboratory work will be completed. If a lab must be missed, tell your lab instructor ahead of time if possible, and present a valid written excuse. If a lab is missed because of an unexpected emergency, present a valid written excuse to the instructor upon your return. Missed
labs CANNOT be made up and will be either EXCUSED or UNEXCUSED.  

EXCUSED LABS will not be counted in your lab average. An EXCUSED LAB must have a written excuse from a parent, doctor, or other responsible person. This is given to the TA. PreLab material for the missed lab is to be completed and given to your TA at the next lab meeting.  

UNEXCUSED LABS will have a grade of zero(0) for both the lab and prelab assignment.  

8. THERE WILL BE NO MAKE UP LAB SECTIONS. An excessive number of missed labs (EXCUSED OR UNEXCUSED) will result in an Incomplete grade for the entire CHEM 103 course. 

C. ARIS Electronic Homework  
1. ARIS is designed as an electronic homework system. You will get the most benefit from it when you complete the sections as the work is covered in class. 
2. You can purchase an access code at the bookstore 
3. Log on to http://www.aris.mhhe.com 
4. Select subject: Chemistry 
6. Click on New Student Registration.  
2. Log in using the access code and follow the instructions 
2. Fill in course info and you're ready to start working problems. 
2. Computer may randomly change problems in each unit each time a unit is reworked.  
3. Grading of Aris assignments occurs in 2 parts: Part 1: Homework assignments: These are to be completed on a weekly basis and are due by Monday at 11PM. They are graded on a section by section basis and a grade of 50% or better on the section gives you full credit for the section. These are then averaged for your grade for that week. Part 2: Graded assignments: These are due the day of each exam by 5PM (the exam start time). They will include all of the Aris sections that are relevant to the exam. They are graded on a section basis, and the grade is the average of the actual scores received for each section. 

D. QUIZZES 

There will be at least one quiz for at least 10 pts due each Wednesday. Quizzes are answered electronically on Sakai. You will have 3 attempts for each quiz and the highest score is recorded. Most quizzes are due by 11:00PM on Wednesday. If you do not complete the quiz on time, you will have one attempt and it will be marked late. 

There will be at least 12 quizzes assigned throughout the semester. The best 10 scores will be counted for a possible total of 100 points. Quizzes are an open book problem and learning situation.
E. **Web Resources** – other places to go for more problems and information

Purdue U: [http://chemed.chem.purdue.edu/genchem/index.html](http://chemed.chem.purdue.edu/genchem/index.html)
(exmas) [http://www.chem.purdue.edu/chm125/pproblems/contents.html](http://www.chem.purdue.edu/chm125/pproblems/contents.html)

F. **IMPORTANT DATES**

Monday, September 6: Labor Day. No Classes
Monday, September 13: Labs begin
Tuesday, September 14: Last day of free drop/add
Tuesday, October 5: EXAM 1 (tentative)
Tuesday, October 26: Last day to change registration or withdraw
Tuesday, November 2: Election Day, No Classes
Tuesday, November 9: EXAM 2 (tentative)
Wednesday, November 24: Thanksgiving break
Thursday, November 25:
Friday, November 26:
Tuesday, November 30: EXAM 3 (tentative)
Wednesday, December 8: Last day of classes
Thursday, December 9: Reading day
Friday, December 10: Final Exams begin
Friday, December 17: Final Exams end

G. **EXAM REGRADING POLICY**

In large, multi – section classes, much of the grading of exams is done by the teaching assistants. This is a common practice and is supervised by the professor of the course. Nonetheless, errors in grading sometimes occur. There may be cases in the course of this semester where you may believe that an error has been made in grading your work, and the correction of the error would result in a higher grade for you. The purpose of my regrading policy is to address this situation.

If you believe that an error has been made in grading or totaling the score on your exam, you may submit the exam for regrading. To do so, attach to the front of the exam a paper which states which questions you would like to have me reconsider.
and return the entire exam at the next class meeting. I will reconsider the questions, make any necessary adjustments to your grade, and return the exam to you in class at some future time. It is strongly recommended that you consult the posted answer keys before you submit our exam for regarding. Be advised, that I reserve the right to recheck the entire exam when you submit it.

IT IS A VIOLATION OF BOTH THIS POLICY AND THE UNIVERSITY OF DELAWARE HONOR CODE TO CHANGE ANSWERS ON YOUR EXAM BEFORE SUBMITTING THE EXAM FOR REGRADING. Exams may be photocopied and compared to any resubmitted work. Students who commit academic dishonesty in this way will be prosecuted through the University of Delaware Student Judiciary System. (It is strongly recommended that any notes you wish to make to yourself on your graded exam be made in a different color of ink or pencil than the color used to take the exam. This will allow me to focus on the original answer if you submit your exam for regrade and will avoid the possibility of an accidental violation of this policy).