CHEMISTRY 102, General Chemistry
Spring, 2013

Class Times:  Monday/Wednesday/Friday, 9:00 – 9:50 AM, Murray Hall, G202

Course Prerequisites: Math 110, Chem 101, Chem 101L

Instructor: Laura Benton
   Email: labenton@email.unc.edu

Office Hours:  Monday, 10:00 – 11:00 AM
               Tuesday, 7:30 – 8:30 AM
               Wednesday, 10:00 – 11:00 AM


Attendance: Not required, but highly recommended if you wish to be successful.

Communication: Please come to office hours if you have questions about course content or your performance. Please allow for a 48 hour turn-around time on emails, and note that I cannot discuss grading issues over email.

Extra Help: There are a couple of additional resources on campus for the ambitious student who wants improved grades. The Chemistry Resource Center is located in Kenan Labs, Room C143. There are volunteers available to help Monday – Thursday, from 2:00 – 7:00 PM.

The Learning Center at UNC (http://learningcenter.unc.edu/) has a plethora of free resources, including tutors for specific classes, as well as information about studying, test taking, etc. If you want an individual, private tutor, I have a list of names I can give you.

If you’re starting to struggle, seek help ASAP. If you score lower than 1.5 standard deviations below the average on any exam, you are required to meet with me to discuss your grade. You will be notified when the exam is handed back if you fall into this category. Failure to meet with me will result in a penalty to your grade.

Laptops: You may use laptop computers to take notes for this course (though I recommend pencil and paper). If you choose to use your laptop, please be on-task.

Cell phones: If it rings in class, I get to answer it. Please keep it on silent or off. Texting during the lecture distracts your classmates, so please keep all cell phone usage to a minimum.
Schedule

January 9th – First day of class
January 11th
January 14th
January 16th – guest lecturer
January 18th
January 21st – holiday, no class
January 23rd
January 25th
January 28th
January 30th
February 1st
February 4th – first hourly exam
February 6th
February 8th
February 11th
February 13th
February 15th
February 18th
February 20th
February 22nd
February 25th
February 27th
March 1st – second hourly exam
March 4th
March 5th – last day to drop (Tuesday)
March 6th
March 8th – break starts at 5 PM
March 11th/13th/15th – spring break
March 18th
March 20th
March 22nd
March 25th
March 27th
March 29th – no class
April 1st
April 3rd
April 5th
April 8th – third hourly exam
April 10th
April 12th
April 15th
April 17th
April 19th
April 22nd
April 24th
April 26th – last day of class
May 6th, 8 AM – final exam

Grading

Homework: The problems provided as homework in this syllabus will not be collected or graded. However, it is in your best interest to complete these problems. Help with homework problems is available from the tutors in the Chemistry Resource Center.

Exams: Your grade is based on three hourly exams and one comprehensive final. If you have concerns about test-taking, please consult the Learning Center. Please bring your one-card to all exam sessions. Failure to bring your one-card may result in a zero on that exam.

Important notes about exams:
The hourly exams are optional. The final is required. No calculators are allowed on exams. There are no make–up exams. No exams will be given early.
Grading is based on the average and standard deviation. Here’s how it works.
• If you take all three hourly exams, the lowest exam grade is dropped, and your final semester grade = 0.25 hour exam + 0.25 hour exam + 0.50 final exam OR = 0.17 hour exam + 0.17 hour exam + 0.66 final exam. I will take whichever one is higher.

• If you take two hourly exams, your final semester grade = 0.17 hourly exam + 0.17 hourly exam + 0.66 final exam.

• If you take one hourly exam, your final semester grade = 0.17 hourly exam + 0.83 final exam.

• If you take no hourly exams, your final semester grade is whatever you score on your final. Historically, those who choose this option end up failing the course.

Re-grading: A random number of exams will be photocopied prior to their return. You may request a re-grading of any exam, but note that any request must be applied to the whole exam, not just one question. Your score after re-grading could therefore be higher OR lower than your original score.

Cheating and plagiarism: It is against the UNC honor code to cheat by any means, including looking on someone else’s paper, using cheat sheets/cell phones, passing notes/talking during an exam, etc. Please don’t do this.

Policy adopted by the faculty of the Department of Chemistry on Sept. 9, 1977:

"Since all graded work (including homework to be collected quizzes, papers, mid-term examinations, final examinations, research proposals, laboratory results and reports etc.) may be used in the determination of academic progress, no collaboration on this work is permitted unless the instructor explicitly indicates that some specific degree of collaboration is allowed. This statement is not intended to discourage students from studying together or working together on assignments which are not to be collected."

How your final letter grade is determined:

A >[average (av) + 1.83 x standard deviation (sd)]
A- >[av + (1.50 x sd)]
B+ >[av + (1.16 x sd)]
B >[av + (0.83 x sd)]
B- >[av + (0.50 x sd)]
C+ >[av + (0.17 x sd)]
C >[av - (0.17 x sd)]
C- >[av - (0.50 x sd)]
D >[av - (1.00 x sd)]
F <[av - (1.50 x sd)]

Note: I reserve the right to alter these multipliers. However, if I do so, it will always be to help your grades, not hurt them.
Homework Problems

Chapter 10: 1, 17, 23, 27, 29, 35, 37, 39, 41, 45, 53, 59, 61, 63, 65, 73, 83, 85, 91, 95, 99

Chapter 11: 11, 13, 17, 19, 21, 23, 27, 35, 37, 39, 43, 45, 51, 59, 61, 63

Chapter 12: 9, 15, 17, 21, 31, 33, 37, 47, 49, 53, 59, 65, 81, 83, 105

Chapter 13: 15, 21, 23, 31, 33, 37, 39, 41, 43, 45, 47, 49, 51, 53, 65, 69, 81, 87

Chapter 14: 9, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 43, 47, 51, 57, 61, 65, 73, 75, 85, 91, 93

Chapter 15: 15, 17, 21, 23, 25, 27, 33, 37, 41, 45, 49, 55, 57, 61, 65,

Chapter 16: 15, 17, 21, 23, 25, 29, 35, 43, 45, 51, 53, 57, 59, 61, 63, 75, 79, 83, 89, 91, 97

Chapter 17: 17, 19, 21, 23, 27, 29, 37, 41, 43, 45, 51, 53, 59, 61, 67, 71, 73, 77

Chapter 19: 11, 17, 23, 25, 27, 29, 37, 41, 43, 47, 53, 55, 57, 59, 61, 69, 71, 77, 81

Chapter 20: 17, 21, 23, 27, 35, 37, 43, 45, 51, 55, 65, 73, 83, 91, 93

Chapter 21: 7, 9, 11, 13, 15, 17, 19, 21, 27, 29, 35, 39, 41, 43, 47, 49, 51, 53, 59, 61, 67