

Chemistry 204  
Introduction to Chemical Practice



Fall 2009

Dr. Brian Anderson

# Your Humble Instructor



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Office Hours: Friday 11:00 – 12:00 or by appointment

<http://anderson.cm.utexas.edu/courses/ch204>

# Monday Morning



Unique Number	Your Lab	Your TA
53220	4.116	Sarah Conway
53225	4.122	Ryan Mesch
53230	4.124	Scott Grimes
53235	4.138	Uyen Huynh
53240	4.140	Ke-Yi Lin

# Monday Afternoon

Unique Number	Your Lab	Your TA
53335	4.116	Sarah Conway
53340	4.122	Josh Biberdorf
53345	4.124	Ana Nuñez
53350	4.138	Uyen Huynh
53355	4.140	Ke-Yi Lin

# Tuesday Morning

Unique Number	Your Lab	Your TA
53245	4.116	Kate Crawford
53250	4.122	Ryan Mesch
53255	4.124	Scott Grimes
53260	4.138	Cotton Starr
53265	4.140	Grace Sun

# Tuesday Afternoon

Unique Number	Your Lab	Your TA
52360	4.116	Kate Crawford
52365	4.122	Josh Biberdorf
52370	4.124	Ana Nuñez
52375	4.138	Cotton Starr
52380	4.140	Grace Sun

# Required Materials



## Lab Manual

*General Chemistry Lab Manual* by Svetlana Leytner,  
Fall 2009 edition

## Lab Notebook

Bound with 100 duplicate numbered pages.

## Combination Lock

## Calculator

**Recommended** – *Zumdahl* or another general  
chemistry text.

# Today

- Grading
- Lab Reports
- Absences
- Safety/Check-In



# Grading

- 70% Lab
- 30% Quizzes

92 – 100 A

90 – < 92 A–

88 – < 90 B+

82 – < 88 B


80 – < 82 B–

78 – < 80 C+

72 – < 78 C

70 – < 72 C–

70% Lab

- 
- Lab Write-Ups
    - Pre-Lab Questions
    - Lab Report
    - Discussion Questions
    - Post-Lab Problems
  - TA Safety/Technique Evaluation
  - End of Semester Notebook Grade

# Before you come to class...



Answer the five pre-lab questions for that week's experiment online using Quest.

Do a preliminary lab write-up what's that?  
in your lab notebook.

# Once you get to lab...



Carry out the experiment. Write all data directly into your lab notebook in the tables you already prepared. Use pen. Record your observations too!

Have your TA sign any pages where you have collected data before you leave the lab.

# After the ordeal



The rest of the lab write-up consists of

The Lab Report

Data organized in tables

Sample calculation(s)

Graphs (if applicable)

Conclusions

Answers to discussion questions

The post-lab problems

# The Lab Notebook



Use your lab notebook for laboratory reports and discussion questions.

Never tear out the original pages from your notebook. If you made a mistake, cross it with a single line. If there is any unused space left on the page, cross it out with a single diagonal mark.

Tear out and submit the *copy* pages for grading.

# Be nice to your TA



Write neatly and legibly.

No chatspeak plz -- IWBMRAUWC2B4USS4U.

Always start the

Preliminary write-up on a new page.

Discussion questions on a new page.

Number the Discussion Question answers.

Don't forget the insert page!

# Turning in lab reports



Must be written on pages torn from your lab notebook. TA's are not allowed to accept loose sheets of paper.

Lab reports are due during the first five minutes of lab one week after doing the experiment.



# Late reports



Reports that are not turned in during the first five minutes of lab are late and will be penalized 10% per day.

Turn in late reports to your TA, to me, to another 204 TA, or to the stockroom at any time. They will sign and date them and give them to your TA.

# 30% Quizzes



- Each quiz is 3 - 4 questions based on
  - Material covered in the previous week's lecture
  - Lab manual introduction from the previous week's lab
  - Procedures in the previous week's lab
  - Post-Lab problems from previous week's lab
- Like a final exam given in 9 weekly installments
- Drop the lowest score
- You must have a minimum 50% quiz average to get a C in the course
- No make-up quizzes. If you miss class, that's the quiz you drop.

# If you know you will miss a week



Let me know ASAP via e-mail. I may be able to schedule you in at another time.

You can't just get the data from someone, you must actually do the experiment to receive credit.

# Missed Labs



You can drop ONE lab report from your final grade.

If you miss a lab, that's the one you will drop.

You still have to do the pre-lab and post-lab for that experiment. Those do not get dropped.

# The Double Whammy



IF YOU ARE ABSENT...

- 1) You will get a 0 on that week's quiz, and
- 2) you still have to take the quiz on the lab you missed when you return next time.

# If you miss a week...



Check the lecture slides online to see if I said anything about what to expect on the quiz.

Read the introduction to the experiment you missed.

Do the post-lab for the experiment you missed.

# Scholastic Dishonesty



We take precautions to discourage people from cheating, and we make efforts to catch them.

If you are caught cheating, we will submit all the evidence to the Dean's office with a recommended penalty of an F in the class.

Don't copy someone else's work in order to turn something in on time. The late penalty is small on purpose. If you need help or feel overwhelmed, let me know and I will help.

# Today in Lab



Make sure you are in the right lab. TA's will take attendance before anything else.

Learn your TA's name and your unique number.

Safety orientation and tour of the laboratory.

Check-in.

Get a lock from the stockroom if you need one. \$5.

Write down your drawer number and combination!



# Safety

Your TA will provide a safety orientation in the laboratory today.

Wear **SAFETY GOGGLES** at all times while you are in the laboratory.

Dress appropriately. No shorts, no sandals, no bellybuttons, no armpits.

Backpacks go on the wall or in the corner.

No eating, drinking, or chewing gum in the lab.

No cell phones. No headphones.

Dispose of all chemical waste in the designated waste containers in the hood.

Broken glass *and broken glass only* goes into the specially marked cardboard box waste containers.

# Land mines



Don't wait until the weekend to start the report.

Don't work on your report during lecture.

Study for the quizzes.

# Next Time – Week of Sept 14



**Must have combination lock. Must have lab manual.  
Must have lab notebook.**

Read and understand the syllabus.

Sign onto Quest.

## **HOMEWORK FOR NEXT TIME:**

Next week we will do Experiment 1: *Are the Densities of Coke and Diet Coke Different?*

- 1) Pre-Lab 1 is due online before class begins.
- 2) Have a preliminary write-up for Experiment 1 completed in your notebook.