

Grading Scheme:

There will be about 4 quizzes given during the lab. These will be announced one week in advance and they will be worth approximately 20 points each, for a total of approximately 80 points. The total for the lab record sheets will be about 120 points. The lab practical at the end of the semester will be worth about 30 points. Your final total number of points will be turned into a percentage of the total points possible and that percentage will determine your overall grade for the lab portion of the course. This will be given to the instructor for the lecture and he or she will use it in determining your overall grade for the course

Grading totals:

| | | |
|----------------------|----------------------|------------------|
| EXPERIMENTS: | Approximately | 120 points |
| QUIZZES: | Approximately | 80 points |
| <u>LAB PRACTICAL</u> | <u>Approximately</u> | <u>30 points</u> |
| TOTAL | Approximately | 230 points |

Attendance:

This is the lab portion of the course, so regular attendance is required for success. Legitimate absences are allowed, but you **must talk to me** before the lab that you will be unable to attend. You may make up a missed lab by attending one of the other labs. **However, you must confirm that this is OK both with me and the instructor of the other lab.** The schedule for each lab is given at the end of this handout. Unexcused Absences will result in zero points for that lab. Should you miss a laboratory session, you will be responsible for the material missed (the material might be on a lab quiz). If you miss two or more labs, you will be dropped from the course. **The most important thing here is to talk to me and let me know what is going on.**

Important Registration Dates:

Monday, August 31 -Last day to officially withdraw, drop or reduce course work units in order to obtain an enrollment fee refund.

Friday, September 4 - Last day to add credit classes or to change sections.

Friday, September 11 - Last day to drop class with no "W" notation on your transcript.

Friday, November 20 - Last day to drop class and receive a "W" notation on your transcript.

Safety Notes:

Protective goggles or glasses must be worn at all times. Do not wear contact lenses. The best way to be safe in lab is to be prepared. Therefore, you must read and understand the laboratory procedure **before** attending the lab session. If chemicals are splashed on you or your clothing, **tell me**, and wash the area thoroughly with water. No eating, drinking or smoking in the laboratory. Report **all** injuries and accidents to the lab instructor (me)! The storeroom has many basic first aid supplies.

Procedure:

You may usually work in pairs in the lab - **not in groups of three or four!** You must submit **your own** laboratory record sheet with the answers to the questions written in **your own words.**

Final Notes:

Please, please, please try to be organized and clean in lab. Try to leave the lab as clean as you would want it to look when you start a lab. **Excessive sloppiness will result in a deduction of points from your laboratory grade!** Try to follow the camping credo – which says that when you are camping you should try to leave the campsite more clean than when you arrived. **This is your chance to make CCSF a more humane and friendly environment for all the other students! Take advantage of it!**

For your convenience (!), the schedule for all of the labs for Chemistry 32 this semester is on the back of this page.

Chem 32 Lab Schedule - Fall 2009

| WEEK | DATES | MON | TUES | WED | THURS | FRI | SAT |
|------|--------------|-----------|-------------|-------------|-------------|-----|-----------|
| 1 | Aug 16-22 | A | A | A | A | | A |
| 2 | Aug 24-29 | B | B | B | B | | B |
| 3 | Aug 31-Sep 5 | 1 | 1 | 1 | 1 | | |
| 4 | Sep 7-12 | | 3(optional) | 3(optional) | 3(optional) | | 1 |
| 5 | Sep 14-19 | 2 | 2 | 2 | 2 | | 2 |
| 6 | Sep 21-26 | 4 | 4 | 4 | 4 | | 4 |
| 7 | Sep 28-Oct 3 | 12 | 12 | 12 | 12 | | 12 |
| 8 | Oct 5-10 | 5 | 5 | 5 | 5 | | 5 |
| 9 | Oct 12-17 | | 6 | 6 | 6 | | 6 |
| 10 | Oct 19-24 | 6 | 7 | 7 | 7 | | 7 |
| 11 | Oct 26-31 | 7 | 7 | 7 | 7 | | 10 |
| 12 | Nov 2-7 | ox | ox | ox | 10 | | 8 |
| 13 | Nov 9-14 | 10 | 10 | 10 | 8 | | |
| 14 | Nov 16-21 | 8 | 8 | 8 | 9 | | 9 |
| 15 | Nov 23-28 | 9 | 9 | 9 | | | |
| 16 | Nov 30-Dec 5 | 11 | 11 | 11 | 11 | | 11 |
| 17 | Dec 7-12 | Lab Pract | Lab Pract | Lab Pract | Lab Pract | | Lab Pract |

Experiment

Experiment Name

| | |
|----|--|
| A | Measurements |
| B | Measurements and Unit Conversions |
| 1 | Bonding and Chemical Reactions |
| 2 | Formula for Epsom Salts: A Hydrate |
| 3 | Gases and Partial Pressure |
| 4 | Solutions: Osmosis, Dialysis, and Solubility |
| 5 | Acids and Bases |
| 6 | A Study of Buffers |
| 7 | Organic Structures and Chirality |
| 8 | Carbohydrates and the Benedict's Test |
| 9 | Digestion of Carbohydrates |
| 10 | Separation of Casein from Milk |
| 11 | Digestion of Proteins and Oils |
| 12 | Energy and Calorimetry |
| Ox | Titration of Vitamin C – handout not in the lab manual |