Chem 100 Tentative Lab Schedule

Spring 2001

	Week of:	Experiment	Title	Reading
1	Jan. 15	**NO LAB**	*1st week of classes*	
2	Jan. 22	*Check-in*	*Check-in/Lab safety*	
3	Jan. 29	The Scientific Method	A training workshop	pgs. 3-12
4	Feb. 5	Assignment #1	Pennies	pgs. 13-14
5	Feb. 12	Measurement	A training workshop	pgs. 15-26
6	Feb. 19	Assignment #2	Unknown chemicals	pgs. 29-32
7	Feb. 26	Assignment #3	Sugar in Beverages	pgs. 35-40
8	Mar. 5	Assignment #4	Separating Mixtures	pgs. 42-51
9	Mar. 12	**NO LAB**	**Spring Break**	
10	Mar. 19	Moles	A training workshop	pgs. 52-57
11	Mar. 26	Chemical Reactions	A training workshop	**Handout
12	Apr. 2	Assignment #5	Unknown chemicals handout	**Handout
13	Apr. 9	Assignment #6	Electrolytes, solutions, & soap	**Handout
14	Apr. 16	Assignment #7	Water quality conference/ chemical tests	**Handout
15	Apr. 23	Assignment #8	Acid-Base titrations	pgs. 58-63
16	Apr.30	**NO LAB**	*Last week of classes*	

Chemistry 100 Laboratory Grading Policies

10% Pre-lab quizzes
20% Notebook carbon copies
60% Lab reports and group presentations
10% Instructor evaluation

Pre-Lab Quizzes

You must come to lab prepared. To prepare for lab you must read the assignment and any background information or required reading- BEFORE LAB!!! The lab is student centered which means YOU the students, are responsible for understanding the background information and performing each experiment. If you do not do the required reading before lab, this is impossible. Lack of preparation creates confusion and frustration. To help you avoid this, a pre-lab quiz will be given at the beginning of each lab If you are late and miss the quiz, you will receive a zero for the quiz and may not be allowed to participate in lab.

Notebook Carbon Copies

It is important to keep a clear, legible record of the work you do while in the laboratory. It should explain what you planned to do, what you observed, any changes to your plan, results, and any necessary calculations. After the experiment has been finished you should write a short summary statement. Before you hand it in, ask yourself if someone not taking the lab could read your notebook and understand what you did and what your results were. The carbon copies of the laboratory notebook write-ups will be turned in before you leave the lab.

Lab Reports

A 1-2 page report will be required for the assignments (6 of the 10 lab sessions). These reports should be written using a word processor. Do NOT wait until the hour before lab to write and print these reports since they constitute the majority of your laboratory grade. Write them as soon as possible after the laboratory session so that you can allow yourself time for reflection and revision. Make an outline of the important points that you must cover in explaining what you did and what the results were; then use as much creativity as possible!!! Make sure and print out the lab reports the night before your report is due. Do not wait until just before lab to print your report- you would be surprised by how many printers fail to operate just before lab begins! If you do not hand in your work at the beginning of the lab session it will be considered one day late. Late reports lose one letter grade per day.

Instructor Evaluation

Because this is a student-centered laboratory your attitude and performance can affect the other students. During the course of the semester the lab instructor will evaluate you in

the following areas: attitude, being prepared, being on time, following the safety rules, working efficiently, finishing on time, and leaving the lab clean. The evaluation score will range from 0-100 points. Most students can expect to earn a score of 85. Exceptionally courteous, well-prepared, and efficient students can expect higher evaluation scores. Rude, quarrelsome, and unprepared students can expect lower scores.

*****10 POINTS WILL BE DEDUCTED FROM EVERYONES' LAB GRADE IF THE LAB AREAS AND THE BALANCES ARE LEFT DIRTY. CLEAN UP AFTER YOURSELF AND REPORT ANY SPILLS TO THE INSTRUCTOR IMMEDIATELY.**

LABORATORY REGULATIONS

CHECK IN/ CHECK OUT

After check in students are financially responsible for assigned glassware and other lab supplies. The money to cover breakage, loss, and damages will be collected during the check out period.

ATTENDANCE

Each student is expected to attend lab on his/her assigned day and to be punctual. A student who comes in late may be refused permission to work that day and may be counted absent.

Lab attendance during your assigned scheduled lab time is mandatory. There will be no make-up sessions for lab. In the event of extenuating circumstances (e.g. a serious illnessor family emergency) arrangements to attend another lab session may be made. It is the students responsibility to let the instructor know **PRIOR** to the missed lab of any extenuating circumstances. **If this procedure is not followed the student will receive a zero for that lab.**

You must pass both the lecuture and the laboratory to pass Chem 100. A student who misses more than three experiments will receive an F in the lab component and consequently an F in the class.

HONOR POLICY

During a lab session students are encouraged to discuss the experiment with others to promote understanding and exchange ideas. If you discuss notebook write-ups, questions, and calculations with other students in the lab, put the answers in your own words. **Lab reports and question sheets (including calculations) are expected to be your own work!!!** Collaboration on lab reports is a violation of the Honor Code and will be reported to the honor council. It is also a violation of the Honor Code to copy any portion of a report from a previous semester's report. To protect yourself from this situation do not not work together on lab reports - do your own work! If you need assistance ask your lab instructor. Students who are found to have violated the honor code will receive an automatic F in the course and may be suspended or expelled.

SAFETY

- Safety glasses must be worn in the lab.
- No sandals or open-toed shoes.
- Never taste anything.
- Never eat or drink in the lab.
- Never perform unauthorized experiments.

Think about what you are doing at all times!!!