

Materials: Purchased access to online lab materials and assignments through <http://webassign.net>
ISBN 978-1-92-855080-8 General Chemistry Labs CHEM 1M and 1N \$25-\$37
Lab notebook (makes duplicates); scientific calculator; goggles (purchase or use those provided in lab)

Grading:	Lecture attendance	10%
	Written procedure and data tables (7)	20%
	Online prelabs (7)	5%
	Online in-lab assignments (7)	30%
	Online reviews (7)	5%
	Formal abstracts (2)	10%
	Online quizzes (7)	10%
	Scholarship and week 1 worksheet	10%

To pass this course, you must perform all experiments; turn in all pre-lab outlines/tables; submit all pre-lab, in-lab, and review assignments by the required due date/time; and, score at least 50% total on the online quizzes. Any changes to this grading scheme will be announced. At the first class meeting, late/absent students will be dropped.

It is your responsibility to keep track of due dates and times. There is a 25%-per-day-late penalty for late work (this includes turning work in at the end of the lab period). Any extensions granted through WebAssign will be subjected to a minimum of 50% off up to 100% off (in rare cases, deductions will be less if the reason warrants special consideration).

Do not miss a lab session. You must notify the instructor and your TA in advance of an absence. You must complete the makeup no later than the next class meeting in the section other than your usual one. *You must email the instructor, your TA, and the TA of the makeup section to confirm that you will come.* Documentation regarding the absence must be provided. Approved reasons for absence are medical emergencies, UCSC-sanctioned trips, and family funerals. If you do not arrange a makeup within the allotted time, you will not be able to complete the lab and you may fail the course.

You must submit original work; plagiarism/cheating will result in a failing grade in the course and possible disciplinary action.

Wearing goggles that fit snugly to the face is a must (safety glasses are not acceptable). Closed-toed shoes that cover the entire foot are required. Clothing must cover skin from the shoulders through the toes. No tank-tops, halter-tops, shorts, sandals, etc., are allowed. *No stretch pants or yoga pants or running tights.* No "modified" clothes such as feet in sandals in plastic bags.

The online pre-lab assignment must be completed by the specified time/date. You have 5 submissions in WebAssign, no deductions. You must also create a procedural outline or flowchart of the day's experiment in your lab notebook, along with your best attempt at data tables. If you do not complete these tasks, you will not receive credit (please see "Preparing for the Experiment" and the example online). Using a procedure printed from the manual will result in at least 25% off of all of the assignments associated with the experiment. No cell phones or electronic devices are allowed at the lab bench.

You must complete the online in-lab assignment by the specified due date/time. This assignment includes data, data analysis, results, and brief concept assessment questions. Significant figures will be graded, as will calculations. *Incomplete assignments will result in at least 50% off of the assignment. If values are nonsensical and/or incorrect (and it is not due experimental issues), you will lose at least 50% of the points.* You have 10 submissions in WebAssign, no deductions.

Review assignments are posted online. You must complete these questions by the specified due date/time. You have 5 submissions in WebAssign, -10% after the first submission (per question).

Online lab quizzes will be available 24 hours before your lab starts and will be due 3 hours before your lab begins. Questions may require calculations and/or short answers. The quizzes refer to the previous week's lab (to check your understanding) and the current week's lab (to check your preparation). Please use a calculator only. The quizzes must be completed independently. You have 5 submissions in WebAssign, -10% after the first submission (per question)

Two abstracts will be collected for the specified experiments. An abstract is a brief statement discussing procedure, results, and error analysis. Please consult with your TA on the format and content. The abstracts are due at the BEGINNING of the following lab period.

You are highly encouraged to attend office hours, which will be announced in your lab section. You must log in to WebAssign using the class key (to be provided) before the second week of lab. If you have questions, please email your TA first and as soon as possible.

Date	Exp. #	Title
June 24	---	Requirements, locker check-in, safety, webassign; Data Worksheet
June 26	3	Thermodynamics/Hess's law
July 1	5	Unknown Acid Analysis – abstract
July 3	8	Acids, Bases, and Buffers
July 8	10	K_{sp} Determination for $\text{Ca}(\text{OH})_2$
July 10	11	Spectroscopic Determination of K_{eq} – abstract
July 15	13	Electrochemistry
July 17	7	Freezing Point Depression; Check-out

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