

## **Chemistry Department, University of California, Santa Cruz Chemistry 1N, General Chemistry Lab**

**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; safety goggles (purchase or use those provided in lab)

<b>Grading:</b>	Lecture attendance (8)	20%
	Written procedure and data tables (7)	28%
	Online in-lab assignments (7)	28%
	Formal abstracts (2)	12%
	Scholarship and week 1 worksheet	12%

*To pass this course, you must perform all experiments\*\*; turn in all pre-lab outlines/tables and both abstracts; and, finish and submit all online in-lab assignments by the required due date/time. Any changes to this grading scheme will be announced.*

If you do not attend the first lab lecture and lab section on time in the correct rooms, you may be dropped from the course.

\*\*Do not miss a lab session. However, if you must be absent, you must notify the instructor and your TA in advance of an absence. A makeup experiment cannot be offered, but you will be allowed to use your partner's data to complete the assignments. Full credit is possible if the reason for the absence is approved; for an unapproved reason, you must complete the assignments for a maximum of 10% credit on each. You must finish the assignments. Approved reasons for absence are emergency illness or injury requiring immediate medical attention, some UCSC-sanctioned trips, and immediate family funerals. Missing two or more experiments will result in a non-passing course grade. All absences will be reviewed on a case-by-case basis. If you do not contact the instructor and TA in a timely manner, you will not be able to complete the assignments and you may fail the course.

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).

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.

Before each lab section, you must create a procedural outline or flowchart (Written Procedure/Data Tables, WPDT) of the day's experiment in your lab notebook, along with your best attempt at data tables. A list of steps or a rewrite of the procedure is not acceptable. Please see the more thorough description in the file, WrittenProceduresDataTables2017.pdf. If you do not complete these tasks, you will not receive credit. 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 inlab assignment by the specified due date/time. This assignment includes data, data analysis, results, and brief concept assessment questions. Significant figures are graded, as are calculations. Your TA will grade the free-response discussion questions at the end of the assignment after it is submitted. *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.

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 start of the next lab period.

**Your TA is your first and primary contact. Make sure you have his/her contact information.** You are highly encouraged to attend office hours, which will be announced in your lab section. You can attend any and all TA office hours. You must log in to WebAssign using the class key (to be provided) before the second week of lab.

UC Santa Cruz is committed to creating an academic environment that supports its diverse student body. If you are a student with a disability who requires accommodations to achieve equal access in this course, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to your TA privately during office hours, before or after section, or by appointment, preferably within the first two weeks of the quarter. We can also discuss ways to ensure your full participation in the course. We encourage all students who may benefit from learning more about DRC services to contact DRC by phone at 831-459-2089 or by email at drc@ucsc.edu.

**If you have questions, please email your TA first and as soon as possible.**

Day	Exp. #	Title
7/31	---	Requirements, locker check-in, safety, webassign; worksheet
8/2	3	Thermodynamics/Hess's law
8/7	5	Unknown Acid Analysis – <i>abstract</i>
8/9	8	Acids, Bases, and Buffers
8/14	10	K <sub>sp</sub> Determination for Ca(OH) <sub>2</sub>
8/16	11	Spectroscopic Determination of K <sub>eq</sub> – <i>abstract</i>
8/21	13	Electrochemistry
8/23	7	Freezing Point Depression; Check-out

Assignment Type	First Visible	Due
Online WebAssign Inlab	0 min after previous lab begins	12 (or 9) hr before next lab section
Written Proc Outline/Tables	consult eBook	at the start of the current lab section

**WebAssign Class Keys**

section 01A      ucsc 8090 2678  
section 01B      ucsc 2401 4449  
section 01C      ucsc 6544 4891

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