

CHEMISTRY 111 LABORATORY  
GENERAL INFORMATION

Spring 2012

Instructor: Christine Romer

Office: S-211 Office Hours: Monday & Wednesday: 11:30-12:30; Thursday: 10:00-11:00

Email: romer@cerritos.edu (be sure to write chemistry or chem on subject line)

Phone: (562) 860-2451, extension 2692 Web address: www.ccchemistry.us

TEXTS & MATERIALS:

MATERIALS AVAILABLE ONLINE:

- LAB EXPERIMENTS are online at [www.ccchemistry.us](http://www.ccchemistry.us)
- Safety in the Chemistry Laboratory and Practice for the Safety Quiz are available on the Chemistry Department web page. You will find a link to that page at [www.ccchemistry.us](http://www.ccchemistry.us)

MATERIALS AVAILABLE AT BOOKSTORE:

- SAFETY GOGGLES with splash protection in compliance with ANSI Z87.1-1989 as required by California State Law.
- SCIENTIFIC CALCULATOR. Graphing calculators are not allowed in quizzes and exams.
- PLASTIC LAB APRON

SAFETY: All safety procedures specified in Safety in the Chemistry Laboratory must be followed at all times in the laboratory. Failure to work safely in accordance with those as well as any other safety procedures presented to you in the safety video, in written experiment instructions, or verbal instructions from your lab instructor, can result in your being removed from the lab. Failure to wear safety goggles can result in your being removed from the lab.

EXPERIMENTS: You will be doing the experiments in the order in which they are listed in the course schedule. You are required to download, print, and read the experiment before coming to the lab on the day the lab is scheduled to begin. You must staple together all pages of the experiment. You will not be allowed to perform the experiment if you do not have your experiment with you. You will be performing the experiment without a partner unless otherwise directed by the instructor. If you fail to complete two or more experiments (two or more missing lab reports) your course grade will be no higher than D.

DATA: Data is to be recorded in permanent blue or black ink only, directly onto the report sheet. If you make a mistake, draw a single line through the incorrect datum and write the correct one above. No "whiting-out" is acceptable. Have your data initialed before you leave the lab (no credit without initials). Calculations may be written in pencil.

LAB MAKE-UP: For permission to attend another Chem 111 lab to do make-up work, you must have written permission from your instructor. Be sure to have the instructor in the lab that you visit initial your data.

REPORTS: (20%) The completed Report Sheet is due at the beginning of lab on the date indicated in the schedule. Be sure to have the Report completed in time to ask questions one lab prior to the due date. Reports will be graded on a 20 point basis. Late Reports will be accepted only at the discretion of the professor. A late report, if accepted, will be discounted 2 points per lab period (4 points per week). Reports turned in more than 4 labs late will not be accepted and you will receive no credit.

UNKNOWNNS: You will be graded for the accuracy and precision of the results obtained in those experiments that involve unknowns. There are 10 points for the accuracy and 10 points for the precision of each unknown sample. These will count as quiz points. If you are given a second unknown sample in order to repeat the experiment, four points will be deducted from your score for the accuracy or precision for that experiment.

QUIZZES: (80%) One quiz will be given for each experiment on the date indicated in the schedule. The quiz will be given on the same day that the that experiment Report is due and will be graded on a 20 point basis. There will be NO MAKE-UP QUIZZES given. You should take the quiz whether or not you have completed the experiment. At the end of the semester your lowest quiz score will be dropped.

Safety Quiz: A Safety Quiz will be given on the date indicated in the laboratory schedule. You will prepare for this quiz by reading Safety in the Chemistry Laboratory. You must get a satisfactory score on the quiz. If you do not receive a satisfactory score, you will be allowed to retake the quiz once, at a place and time arranged by your lab instructor. If you do not get a satisfactory score when you retake the quiz you will receive an F grade for the laboratory portion of the course. (If you choose not to drop the class but to remain, knowing that the lab grade and therefore the course grade will be an F, you will NOT be allowed to do any experiments.) The points you receive for the safety quiz will be the score you got on your first attempt. The safety quiz score will not be dropped, even if it is the lowest quiz score of the semester

GRADING STRUCTURE:

% Q = percent of total possible points on lab quizzes plus unknowns.

% R = percent of total possible points on reports.

$$\text{Lab overall \%} = \frac{4(\% Q) + (\% R)}{5}$$

Your lab grade is 35 % of your overall grade in Chem 111.

If you cheat in lab (which includes but is not limited to copying experiment data or answers from someone else's Report or allowing someone else to copy yours) you will be dismissed from the course with an F.