

Laboratory Instructor:**Office:** S- **Office Hours:****Email:****Phone:** (562) 860-2451, extension**LABORATORY TEXTS & MATERIALS**

- Safety in the Chemistry Lab at <http://cms.cerritos.edu/chemistry/>
- Lab Apron
- Goggles: Safety goggles in compliance with ANSI Z87.1-1989 and which have splash protection, both of which are required by California State Law, must be worn at all times in the lab.
- Scientific Calculator (You will not be permitted to use graphing calculators on quizzes.)

EXPERIMENTS

You will be doing the experiments in the order in which they are listed in the laboratory schedule, which you will find on the back of this paper. You are responsible for downloading and printing the assigned experiment, reading it **before** coming to lab, and bringing it with you to lab. (The lab quiz may contain questions about this experiment.) The experiments may be downloaded from the Chemistry 110 website.

Safety: All safety procedures specified in Safety in the Chemistry Lab must be followed at all times in the laboratory. (<http://cms.cerritos.edu/chemistry/>) Failure to work safely in accordance with those as well as any other safety procedures presented to you in the safety film, 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.

Lab Make-Up: If you miss an experiment you may not make it up but you should take the quiz on that experiment. (Prepare for the quiz by reading the experiment.) If you miss more than two experiments, your Chemistry 110 grade will be no higher than D.

Community Drawers: The community drawers contain items of equipment that you will not find in your assigned equipment box. You may use these during a lab, but they must be returned to the community locker before you leave the laboratory.

GRADING STRUCTURE

Reports: (10 points each): Experiment Reports are found at the back of each experiment. Be sure to have your experiment Report initialed by your lab instructor before you leave the lab on the day that you do the experiment. You *do not* have to fill out the Report in order to get the instructor's initials. Your lab instructor will be happy to answer any questions that you have about your completed Report in class before it is turned in at the **beginning** of class on the day indicated in the laboratory schedule. Late Reports will be discounted two (2) points per lab period. Reports turned in more than 2 lab periods late will receive no credit. You will receive no credit for your work if there are no instructor initials. At the end of the semester your lowest Report score will be dropped.

Safety Quiz: (30 points): The safety quiz, "Safety in the Chemistry Lab," will be given on the date indicated in the laboratory schedule. You **must** answer at least 90 percent of the questions correctly (you cannot miss more than 5 questions). If you do not receive a satisfactory score on this quiz, 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.

Quizzes: (30 points each): One quiz will be given for each experiment. The quiz will be given on the same day that the that experiment Report is due. There will be NO MAKE-UP QUIZZES given. You may, however, take a quiz ahead of time at a place and time arranged by your lab instructor. At the end of the semester your lowest quiz score will be dropped.

Capstone Lab: (50 points): A comprehensive exam will be given on the date indicated in the lab schedule.

Lab Grade: Your lab grade will be computed by taking the sum of the points you earned, dividing by the total points possible, and multiplying by 100 to give a percent grade. Your lab grade will account for 25% of your overall grade in the course. Do not underestimate the importance of your lab grade. If your lab grade is not 55% or higher, you will not pass the course, even if you have an "A" in lecture.