

CHEMISTRY 110 LABORATORY SCHEDULE
Spring 2009

MONDAY LAB	TUESDAY LAB	WEDNESDAY LAB	THURSDAY LAB	FRIDAY LAB
Jan 12 <i>(1) Measurements and Lab Safety</i>	Jan 13 <i>(1) Measurements and Lab Safety</i>	Jan 14 <i>(1) Measurements and Lab Safety</i>	Jan 15 <i>(1) Measurements and Lab Safety</i>	Jan 16 <i>(1) Measurements and Lab Safety</i>
Jan 19 HOLIDAY	Jan 20 <i>(2) Dimensional Analysis</i> SAFETY QUIZZES	Jan 21 <i>(2) Dimensional Analysis</i> SAFETY QUIZZES	Jan 22 <i>(2) Dimensional Analysis</i> SAFETY QUIZZES	Jan 23 <i>(2) Dimensional Analysis</i> SAFETY QUIZZES
Jan 26 <i>(2) Dimensional Analysis</i> SAFETY QUIZZES	Jan 27 <i>(3) Density</i> SAFETY GOGGLES REQUIRED	Jan 28 <i>(3) Density</i> SAFETY GOGGLES REQUIRED	Jan 29 <i>(3) Density</i> SAFETY GOGGLES REQUIRED	Jan 30 <i>(3) Density</i> SAFETY GOGGLES REQUIRED
Feb 2 <i>(3) Density</i> SAFETY GOGGLES REQUIRED	Feb 3 <i>(4) Locker Check-In/ Techniques</i>	Feb 4 <i>(4) Locker Check-In/ Techniques</i>	Feb 5 <i>(4) Locker Check-In/ Techniques</i>	Feb 6 <i>(4) Locker Check-In/ Techniques</i>
Feb 9 <i>(4) Locker Check-In/ Techniques</i>	Feb 10 <i>(5) Chemicals and their Properties</i>	Feb 11 <i>(5) Chemicals and their Properties</i>	Feb 12 <i>(5) Chemicals and their Properties</i>	Feb 13 Holiday
Feb 16 Holiday	Feb 17 <i>Chemicals and their Properties cont.</i>	Feb 18 <i>Chemicals and their Properties cont.</i>	Feb 19 <i>Chemicals and their Properties cont.</i>	Feb 20 <i>(5) Chemicals and their Properties (all)</i>
Feb 23 <i>(5) Chemicals and their Properties (All)</i>	Feb 24 <i>(6) Naming and Writing Formulas of Chemical Compounds</i>	Feb 25 <i>(6) Naming and Writing Formulas of Chemical Compounds</i>	Feb 26 <i>(6) Naming and Writing Formulas of Chemical Compounds</i>	Feb 27 <i>(6) Naming and Writing Formulas of Chemical Compounds</i>
Mar 2 <i>(6) Naming and Writing Formulas of Chemical Compounds</i>	Mar 3 <i>(7) Empirical Formula of Magnesium Oxide</i>	Mar 4 <i>(7) Empirical Formula of Magnesium Oxide</i>	Mar 5 <i>(7) Empirical Formula of Magnesium Oxide</i>	Mar 6 <i>(7) Empirical Formula of Magnesium Oxide</i>

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MONDAY LAB	TUESDAY LAB	WEDNESDAY LAB	THURSDAY LAB	FRIDAY LAB
Mar 9 <i>(8) Composition of a Mixture</i>	Mar 10 <i>(8) Composition of a Mixture</i>	Mar 11 <i>(8) Composition of a Mixture</i>	Mar 12 <i>(8) Composition of a Mixture</i>	Mar 13 <i>(8) Composition of a Mixture</i>
Mar 16 <i>(9) Solutions Part 1</i>	Mar 17 <i>(9) Solutions Part 1</i>	Mar 18 <i>(9) Solutions Part 1</i>	Mar 19 <i>(9) Solutions Part 1</i>	Mar 20 <i>(9) Solutions Part 1</i>
Mar 23 <i>(10) Solutions Part 2</i>	Mar 24 <i>(10) Solutions Part 2</i>	Mar 25 <i>(10) Solutions Pt 2</i>	Mar 26 <i>(10) Solutions Pt 2</i>	Mar 27 <i>(10) Solutions Pt 2</i>
Mar 30 <i>(11) Types of Chemical Reactions</i>	Mar 31 <i>(11) Types of Chemical Reactions</i>	Apr 1 <i>(11) Types of Chemical Reactions</i>	Apr 2 <i>(11) Types of Chemical Reactions</i>	Apr 3 <i>(11) Types of Chemical Reactions</i>
Apr 13 <i>Types of Chemical Reactions Cont.</i>	Apr 14 <i>Types of Chemical Reactions Cont.</i>	Apr 15 <i>Types of Chemical Reactions Cont.</i>	Apr 16 <i>Types of Chemical Reactions Cont.</i>	Apr 17 <i>Types of Chemical Reactions Cont.</i>
Apr 20 <i>(12) Titration</i>	Apr 21 <i>(12) Titration</i>	Apr 22 <i>(12) Titration</i>	Apr 23 <i>(12) Titration</i>	Apr 24 <i>(12) Titration. Last day to drop with a "W"</i>
Apr 27 <i>Titration continued</i>	Apr 28 <i>Titration Continued</i>	Apr 29 <i>Titration Continued</i>	Apr 30 <i>Titration Continued</i>	May 1 <i>Titration Continued</i>
May 4 <i>(13)Energy in Chemical Reactions</i>	May 5 <i>(13)Energy in Chemical Reactions</i>	May 6 <i>(13)Energy in ChemicalReactions</i>	May 7 <i>(13) Energy in ChemicalReactions</i>	May 8 <i>(13)Energy in ChemicalReactions</i>
May 11 CAPSTONE LAB	May 12 CAPSTONE LAB	May 13 CAPSTONE LAB	May 14 CAPSTONE LAB	May 15 CAPSTONE LAB
May 18 <i>Locker Check-in</i> <i>Pay Bill</i>	May 19 <i>Locker Check-in</i> <i>Pay Bill</i>	May 20 <i>Locker Check-in</i> <i>Pay Bill</i>	May 21 <i>Locker Check-in</i> <i>Pay Bill</i>	May 22 <i>Locker Check-in</i> Pay Bill (LAST DAY*)

* An administrative hold will be placed on your records if you fail to check-in and pay any debt owed to the stockroom before the end of the semester.

CHEMISTRY 110 LABORATORY GUIDELINES - Spring 2009

LAB GRADE: The lecture is worth 75% of your overall Chemistry 110 grade. The laboratory is worth 25% of your overall Chemistry 110 grade. **Overall Chemistry 110 Course % = 0.75 (Lecture %) + 0.25 (Lab %)**

If you fail to successfully complete more than two experiments, your course grade will be no higher than a D. YOU MUST PASS THE LAB AND LECTURE TO OBTAIN A "D" GRADE OR HIGHER.

REQUIRED TEXT AND MATERIALS:

1. The required lab manual is online. Go to <http://WWW.cerritos.edu/jbradbury> , click on Chemistry 110 lab, and then click on the individual labs to download and print. You are required to bring the appropriate lab experiment to class the day the lab is to be performed. Experiments will not be handed out in class, unless otherwise stated by the instructor
2. Safety for People and Chemicals, Spencer & Garcia
3. Safety goggles in compliance with ANSI Z87.1-1989 which provide splash protection as required by California State Law. THESE ARE TO BE WORN AT ALL TIMES IN LAB.
4. Lab apron.

Safety: All safety procedures specified in Safety for People and Chemicals 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 film, in written experiment instructions or verbal instructions from your lab instructor, can result in your being removed from the lab. In order to ensure a safe lab environment, you may not be allowed to perform the experiment if you arrive late. Failure to wear safety goggles can result your being removed from the lab.

Safety Quizzes: Each student in the Chemistry 110 lab must thoroughly read and understand the material presented in the required Safety for People and Chemicals by Spencer & Garcia. Safety for People and Safety for Chemicals quizzes will be given in the second week of lab during the quiz section. You may not miss more than 3 questions on the safety for people quiz and no more than 6 questions on the safety for chemicals quiz. If you do not receive satisfactory scores on **both quizzes**, you will be allowed to retake each quiz once. If you do not get a satisfactory score after retaking a quiz, you will receive an F grade for the lab portion of the course. If you choose not to drop the class and remain, knowing that the lab grade and the course grade will be an F, you will not be allowed to do any experiments.

EXPERIMENTS: The lab manual is online and must be printed out before coming to class unless otherwise directed. Experiments are done on the date shown on the lab schedule and are to be performed alone - there are no lab partners in the Chemistry 110 lab. Each report sheet must be initialed by your lab instructor before you leave the lab after completing that day's experiment. **NO CREDIT WILL BE GIVEN WITHOUT THE INSTRUCTOR'S INITIALS.** It is your responsibility to have the lab report initialed. Each report sheet is due at the beginning of the quiz section the following week. Each laboratory experiment is worth 10 points except those experiments with unknowns. Late reports will be accepted only at the discretion of the professor. Late reports, if accepted by the professor will be discounted 2 points per lab period. Reports turned in more than two lab periods late will receive no credit. At the end of the semester, your lowest report score will be dropped.

LAB QUIZZES AND CAPSTONE LAB: A lab quiz for each experiment will be given on the day the report sheet is due. The lab quiz may include questions about new experiment to be performed that day. **THERE ARE NO MAKEUP QUIZZES.** You are expected to take the quiz regardless of whether you have completed that experiment. Lab quizzes are worth 30 points each. At the end of the semester the lowest quiz score is dropped. The Capstone Lab is the last lab of the semester; it integrates a variety of techniques and calculations that you have learned throughout the semester. There is a practice online for your convenience. The Capstone Lab is worth 50 points.

LAB MAKEUP: If you miss an experiment, you may make it up by attending another Chemistry 110 lab but only if that class is doing the experiment you missed. You must obtain a permission slip from your regular lab instructor and present it to the instructor whose lab you are visiting during the "quiz" portion of the lab. If you arrive late you may not be allowed to perform the lab experiment. Be sure to have the instructor in the lab that you visit initials your report sheet.

EQUIPMENT RESPONSIBILITY: Each Chemistry 110 student will be assigned a box of equipment. Once the equipment box is assigned, the box and its contents become the responsibility of the student. At the end of the semester, you will be charged for any dirty, missing or broken glassware or equipment.

COMMUNITY DRAWER RESPONSIBILITY: The community drawer contains items of equipment that are shared among Chemistry 110 students in the same vicinity. You may use these items during a lab, but they must be returned to the community drawer before you leave the laboratory. Please make sure the equipment in your community drawer is complete before leaving the lab. Random checks will be done by stockroom and lab instructors.

DROPPING THE LAB: The last day to drop the course with a "W" is Friday, Apr 24, 2009. To officially drop the Chemistry 110 class you must check in your equipment box, during your regularly scheduled lab period. If this is not possible, the stockroom will check you in for a fee. You can make an appointment with them at (562) 860-2451 extension 2695. An administrative hold will be placed on your records, if you fail to check-in and pay any debt owed to the stockroom by the final exam date.