

Welcome to Chemistry 1AL at UC Berkeley

Instructor: Valeria Martinovic, valmt_1999@berkeley.edu, 330 Latimer

Course Information: Wednesday Lecture, 6-7 pm in 1 Pimentel

Friday Lecture, 12-1 pm in 1 Pimentel

Pre/Corequisite: Concurrent enrollment in Chem 1A or a C- in Chem 1A.

Lab Exam Date: Tuesday April 28th - 7:00-9:00pm

Office Hours: *Dr. Valeria Martinovic: My office hours will be in 330 Latimer. The times are still to be determined.*

TA's Office Hours: There will be a Google Calendar found on courses.berkeley.edu with the TAs available times. They will be holding office hours in 106 Latimer.

The course website is <http://bcourses.berkeley.edu> . If you are enrolled in the course, you will have access to this site. Announcements, experimental details and other items will be posted on this website. It is recommended that you check this site daily to see if there are any relevant announcements that you might have missed in class.

Email

Professor: Valeria Martinovic: valmt_1999@berkeley.edu

Head GSI: Kelvin Lo: kelvinlo3@berkeley.edu

All emails concerning Chemistry 1AL should have "Chem 1AL" as part of the subject line.

Lectures

Lab lectures will be one hour each. The Friday lectures will be repeats of the previous Wednesday Lecture. We will cover concepts that will be explored during the following week's labs.

Laboratory

Laboratories are 3 hours long. You should plan on being in lab for this period of time. There are 11 graded experiments (10 points each) and a power point presentation (12 points). You will be allowed to drop the lowest grade of your 11 experiments but not allowed to drop your score for the power point. This will add up to a total of 112 points. **See the section in this handout on lab report grades to determine what is necessary for the successful completion of a lab.** It is your responsibility to read this information. As you will see, there are important consequences associated with not attending lab and/or not turning in completed laboratory reports.

Required Texts

There are no required texts for this class. Necessary experiment information will be posted on the class website every week. Observations and notes will be taken on the experimental report sheets.

Ethics

It is assumed that all work you do for this laboratory class is original. This includes the prelab, in-lab observations and data. You should not attempt to bring any data or notes that are not specifically allowed to lab exam.

All of this falls under a behavioral category I refer to as Ethical Common Sense. Unethical behavior in this class will result in an F in the course and you will be reported to the Office of Student Conduct.

Lab Exam

There will be one written lab exam worth 30 points. **The lab exam date will be April 28 from 7:00-9:00pm in a room to be determined.** The exam will focus on material that has been covered in both lecture and lab. This exam **MUST** be taken AND a score of ≥ 10 points must be obtained in order to complete the class. That is, if you score less than 10 points on the exam, you will receive an incomplete in the class regardless of how many total points you have accumulated. The incomplete will need to be satisfied within two semesters by taking the lab exam offered in Chemistry 1AL in Summer of 2015 or Fall 2015. A score of ≥ 10 points will warrant completion of the course.

Note: If you already have three zero's in the course at the time of the lab exam, you do not need to take the lab exam as you have already failed the course.

Pre-Labs

Each experiment has a pre-lab associated with it. The pre-labs will be done on separate paper and brought to lab. **If a pre-lab is not complete, you will not be allowed to participate**

in the laboratory experiment. Please note** There is a pre-lab due for your first lab experiment.**

Lab Attendance and Lab Scores

In order to receive points for any given lab, the following conditions must be met:

- You must attend lab.
- Prior to attending any given laboratory period you must have attended the lecture preceding that experiment or lab period.
- You must prepare a prelab following the instructions posted for each experiment.
- You must arrive to lab on time, which means no later than Berkeley time (10 minutes after the hour). In general, the first 10-15 minutes of every laboratory period are dedicated to a safety discussion, which is an important part of the experiment. Therefore, if you show up late you will not be allowed to participate in lab for that day.
- You must wear protective clothing and eyewear during the laboratory period. Your GSI can ask you to leave the lab for the day if you are not wearing such clothing or eyewear.
- You must record detailed observations about the experiment. There are observation prompts throughout the experimental procedure and corresponding space on your report sheet.
- Before leaving lab, you must meet with your GSI who will ask you to confirm that certain data is present in your report sheet.

If you do not complete all of the above conditions for any given lab, you will receive a 0 for that experiment. The consequences of multiple 0s are as follows:

- If you receive two zeros during the semester, you not only will lose a total of 10 points, but your course grade will also be dropped by one third of a grade. For example, if you earn enough points to get a B+ in the class, you will receive a B.

- If you receive three zeros you will receive a failing grade in the course.

Grades

The point total for this course is 142. These are broken down as follows:

- 100 points for lab assignments (allowing for one dropped score)
- 12 points for the Polymers Power Point
- 30 points for the Lab Exam

Grades at the end of the semester will be assigned as follows:

Grade	Includes	Percentage
A	A and A-	90-100
B	B+, B, and B-	80-89
C	C+, C, and C-	70-79
D	D	60-69
F	F	0-60

Lab Schedule: Chem 1AL Spring 2015

Days	LAB LECTURES W 6:00pm and F 12:00pm	LAB EXPERIMENTS
January 19-23	Smells	NO LAB
January 26-30	Polymer Density	Experiment#1: Smells: How the Nose Knows; Safety Video
February 02-06	Polymers Formulation	Experiment#2: Polymers 1, Density
February 09-13	Polymers Contest	Experiment#3: Polymers 2, Formulation
February 16		NO LAB
February 17-20 and 23	Polymers Review	Experiment#4: Polymers 3, Contest (Polymer Power Point Proposal Due)
February 24-27 and March 2	Light Inquiry	Polymer Power Point Presentation
March 3-6 and 9	Biofuels 1	Experiment#5: Light Inquiry Lab
March 10-13 and 16	Biofuels 2	Experiment#6: Biofuels 1, Seeds and Synthesis
March 17-20 and 30	Biofuels 3	Experiment#7: Biofuels 2, Seed Count and Viscosity
March 23-27		SPRING BREAK
March 31-April 03 and 06	Kinetics	Experiment#8: Biofuels 3
April 7-10 and 13	PLA/PET Titration 1	Experiment#9: Kinetics Lab
April 14-17 and 20	PLA/PET Titration 2	Experiment#10: PLA/PET Titration 1
April 21-24 and 27	W at 6:00 pm- Lecture Review	Experiment#11: PLA/PET Titration 2
April 28 -May 01 and May 04		CHECK OUT
		LAB EXAM TUESDAY APRIL 28th - 7:00-9:00pm