

Syllabus

Chemistry 1A General Chemistry Laboratory Fall 2015

Instructor: Dr. David Feiler E-mail: feilerdavid@fhda.edu
Office Hours: Tuesday and Thursday from 7:00pm to 7:30pm in room SC2202

Required Text: The lab manual can be found online at: <http://deanza.edu/chemistry/Chem1A.html>

Attendance: Attendance at all laboratories is mandatory

Preparation: It is imperative that you read the laboratory procedure and prepare your notebook prior to arriving at class.

Equipment: You will be assigned a laboratory locker. You will be responsible for broken equipment. Failure to properly check out of the lab will result in a fine and a hold on your transcripts.

Failure to check out of the laboratory will result in a fine and, even worse, may prevent you from enrolling during the normal registration process.

Safety: You are expected to act in a safe and responsible manner at all times in the laboratory. Eating or drinking in the lab is not allowed. Open toed shoes (i.e. sandals) are not allowed. If you have long hair, it must be tied back. All students must wear safety goggles if ANY student is performing an experiment. These safety goggles must actually cover your eyes and may not be worn on the top of your head! Only those safety goggles sold at the DeAnza bookstore are acceptable.

Waste Disposal: All waste chemicals will be collected for disposal.

Cleanup: Spills happen, I understand that. However, what I do not understand and will not tolerate is your failure to clean up after yourself. You are expected to return all equipment to the location that you found it. On occasion, you may even be asked to replace equipment left out by others (who said life was fair). You get zero points for cleaning up after yourself. However, at my sole discretion, I will take away points from anybody that does not clean up after themselves.

Lab Reports: Formal laboratory reports will be collected for most of the experiments. The lab reports will typically be due one week after the completion of the experiment. No late reports will be accepted.

Lab Books: A bound laboratory notebook is required (sold in the bookstore). All laboratory work must be entered into the lab book in ink. I reserve the right (and will occasionally exercise it) to discard any lab information not written directly into the lab book. The lab book will be collected near the end of the quarter.

Quizzes: Five short quizzes will be given covering material from the previous two experiments.

Grading: The laboratory portion of this course accounts for approximately 35% of the total grade. This 35% will be apportioned approximately as follows:

200 pts	Quizzes (5 X 40pts)
110 pts	Laboratory reports (11 X 10pts)
40 pts	Laboratory notebook (1 X 40pts)

CHEM 1A LAB SCHEDULE**FALL 2015****LAB MEETS TWICE A WEEK**

WEEK OF	WEEK	TUES	THUR
9/20	1	CHECK-IN	MEASUREMENT
9/27	2	NOMENCLATURE	HYDRATE (1) Quiz #1
10/4	3	HYDRATE (2)	PRECIPITATION (1)
10/11	4	PRECIPITATION (2)	TYPE OF REACTIONS (1) Quiz #2
10/18	5	TYPE OF REACTIONS (2)	CONDUCTIVITY (1) (Vernier)
10/25	6	CONDUCTIVITY (2) (Vernier)	ACID BASE TITRATION (1) Quiz #3
11/1	7	ACID BASE TITRATION (2)	CALORIMETRY (1) (Vernier)
11/8	8	CALORIMETRY (2) (Vernier)	REDOX TITRATION (1) Quiz #4
11/15	9	REDOX TITRATION (2)	LINE SPECTRA
11/22	10	MOLECULAR MODEL (1)	THANKSGIVING
11/29	11	MOLECULAR MODEL (2)	CHECK-OUT Turn in Lab Notebook Quiz #5
12/6	12	FINALS	FINALS