

Chem 108

Introductory Chemistry

<http://chemconnections.org/general/chem108/>



Please sign the roster next to your name on the clipboard that is at the front of lab.

Dr. Ron Rusay

E-mail: rrusay@chemconnections.org (preferred) or rrusay@dvc.edu
Office Hours (PS 235): MW 11:00 – 12:30; Tuesday, Thursday, Friday by appointment, daily e-mail with replies usually within 24 hours.

Discussion/Lab:

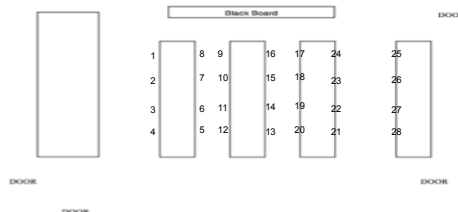
2:00–4:50 M (PS 221) sec. 2137

2:00–4:50 W (PS 221) sec. 2146

Chem 108

Week 1

Lab Map



- Introduce yourself to one other classmate.
- Describe what other courses you are taking this semester to them and learn what your classmate is taking.
- Each of you are to select one of the numbered lab stations in the above lab map (except #25) and then move to that location. (1 per station)

Chem 108: Class/ Lab

<http://chemconnections.org/general/chem108/calendar-108-s18.html>

Week	Class	Lab
1	Monday, September 18, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Monday, September 18, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
2	Tuesday, September 19, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Tuesday, September 19, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
3	Wednesday, September 20, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Wednesday, September 20, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
4	Thursday, September 21, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Thursday, September 21, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
5	Friday, September 22, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Friday, September 22, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
6	Saturday, September 23, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Saturday, September 23, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
7	Sunday, September 24, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Sunday, September 24, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
8	Monday, September 25, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Monday, September 25, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
9	Tuesday, September 26, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Tuesday, September 26, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
10	Wednesday, September 27, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Wednesday, September 27, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
11	Thursday, September 28, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Thursday, September 28, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
12	Friday, September 29, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Friday, September 29, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
13	Saturday, September 30, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Saturday, September 30, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
14	Sunday, October 1, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Sunday, October 1, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
15	Monday, October 2, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Monday, October 2, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
16	Tuesday, October 3, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Tuesday, October 3, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
17	Wednesday, October 4, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Wednesday, October 4, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
18	Thursday, October 5, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Thursday, October 5, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
19	Friday, October 6, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Friday, October 6, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
20	Saturday, October 7, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Saturday, October 7, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
21	Sunday, October 8, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Sunday, October 8, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
22	Monday, October 9, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Monday, October 9, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
23	Tuesday, October 10, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Tuesday, October 10, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
24	Wednesday, October 11, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Wednesday, October 11, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
25	Thursday, October 12, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Thursday, October 12, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
26	Friday, October 13, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Friday, October 13, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
27	Saturday, October 14, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Saturday, October 14, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
28	Sunday, October 15, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Sunday, October 15, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
29	Monday, October 16, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Monday, October 16, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
30	Tuesday, October 17, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Tuesday, October 17, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
31	Wednesday, October 18, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Wednesday, October 18, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
32	Thursday, October 19, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Thursday, October 19, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
33	Friday, October 20, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Friday, October 20, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
34	Saturday, October 21, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Saturday, October 21, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
35	Sunday, October 22, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Sunday, October 22, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
36	Monday, October 23, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Monday, October 23, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
37	Tuesday, October 24, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Tuesday, October 24, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
38	Wednesday, October 25, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Wednesday, October 25, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
39	Thursday, October 26, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Thursday, October 26, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
40	Friday, October 27, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Friday, October 27, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
41	Saturday, October 28, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Saturday, October 28, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
42	Sunday, October 29, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Sunday, October 29, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146
43	Monday, October 30, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2137	Monday, October 30, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2137
44	Tuesday, October 31, 2018, 10:00 AM - 12:30 PM (PS 235) sec. 2146	Tuesday, October 31, 2018, 2:00 PM - 4:50 PM (PS 221) sec. 2146

Refer to [Lab: Week #1 link] for today's lab.

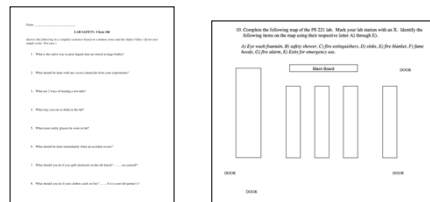
Links for subsequent labs will be provided throughout the semester.

Doing: Lab Experiments

Safety

(Video & Handout: Graded Guiding Questions)

http://www.chemconnections.org/general/chem108/Lab/Safety_focus_ques-17.pdf



"Due" today, *have signed before leaving Lab today.*
Completed handout due Week #2 before beginning experiment.

Doing: Lab Experiments

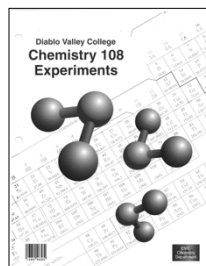
Safety

(Video & Handout: Graded Guiding Questions)

http://chemconnections.org/general/movies/Safety_Video.mp4/



Lab Drawer Check Out



Follow instructions

Lab Drawer Check Out

Pick up a combination lock at the front of lab.
Everyone must separately provide all of the information in each of the following 3 forms, sign and turn them in before leaving lab today.

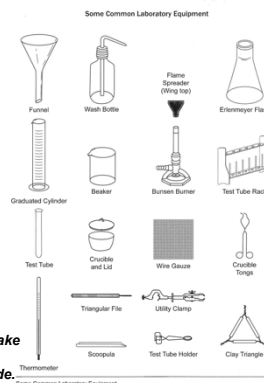
Write down the lock's combination where you can find it; bring to lab next week

Read carefully & sign

Check that all of the equipment on the list is in the drawer and unbroken.

Check Out

On the pink form note what is missing or broken. If everything is OK, sign form, note combination for your use, turn in with completed/ signed acknowledgment form and card to Dr. R.



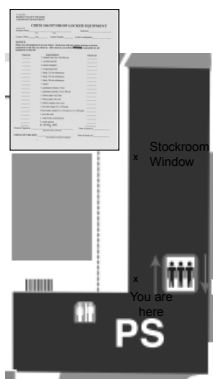
If anything is missing or broken, take the pink form to the Chemistry Stockroom. Directions on next slide.

Missing or Broken Equipment

Go to stockroom window to replace missing or broken equipment.

Stockroom window is in the middle of this building. Turn right out of lab, walk past 3 lab rooms and look for the double glass doors. Window is in the back.

When everything is OK, sign form, note combination for your use, turn in with completed/ signed acknowledgment form and card to Dr. R.



Doing: Lab Experiments

Metric Measurement [Experiment #1: Week 2]
(Course/ Lab Manual pp. 9-11; pp. 12-15 [Report Form])
<http://chemconnections.org/general/chem108/calendar-108-s18.html>

Doing: Lab Experiments

Metric Measurement [Experiment #1: Week 2]
Background & Preparation [Graded Guiding Questions]
<http://chemconnections.org/general/chem108/Measurements.Units-Guide.html>

Doing: Lab Experiments

Metric Measurement [Experiment #1: Week 2]
(Course/ Lab Manual pp. 9-11; pp. 12-15 [Report Form])
<http://chemconnections.org/general/chem108/calendar-108-s18.html>

Collaboration is encouraged, but individual record keeping and submissions are required.

Doing: Lab Experiments

Metric Measurement [Experiment #1: Week 2]
(Course/ Lab Manual pp. 9-11; pp. 12-15 [Report Form])

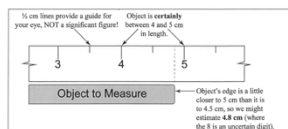
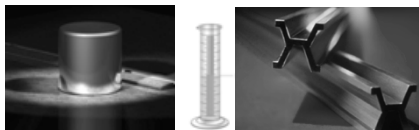


Figure 1. Using the centimeter ruler