

Greetings & Welcome to Chem 108 Introductory Chemistry

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



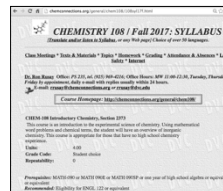
Dr. Ron Rusay
e-mail: rusay@chemconnections.org (preferred) or rusay@dvc.edu

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 W (PS 221)

Chem 108

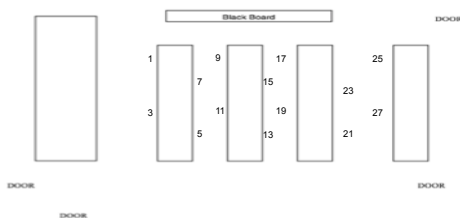
<http://chemconnections.org/general/chem108/108sy117f.html>



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

Chem 108

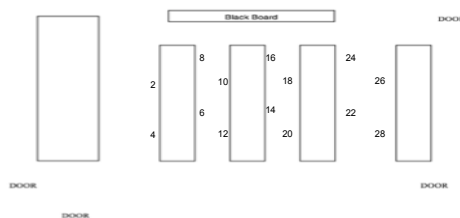
Lab Map



- Select a lab space. Choose carefully, this will be your station for the semester.
- Introduce yourself to a classmate who is next to you.
- Describe to them what other courses you are taking this semester and learn what your classmate is taking.

Chem 108

Lab Map



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Chem 108: Class/ Lab

<http://chemconnections.org/general/chem108/calendar-108-f17.html>

10/14 Aug	10/15 Aug	10/16 Aug
Classroom Information: <ul style="list-style-type: none"> Preceptor: JPM, JPM, Print, JPM (5 slides per page) Lab: JPM Read: JPM Lab Manual for 10/14 Aug Read: JPM Lab Manual for 10/15 Aug 	Classroom Information: <ul style="list-style-type: none"> Preceptor: JPM, JPM, Print, JPM (5 slides per page) Lab: JPM Read: JPM Lab Manual for 10/15 Aug Read: JPM Lab Manual for 10/16 Aug 	Classroom Information: <ul style="list-style-type: none"> Preceptor: JPM, JPM, Print, JPM (5 slides per page) Lab: JPM Read: JPM Lab Manual for 10/16 Aug Read: JPM Lab Manual for 10/17 Aug

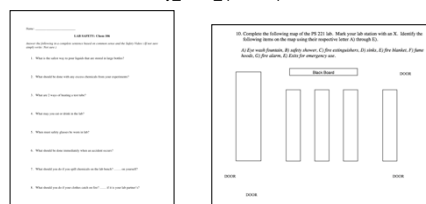
Refer to [Lab: Week # link] for an outline of the day's scheduled lab.

Doing: Lab Experiments

Safety

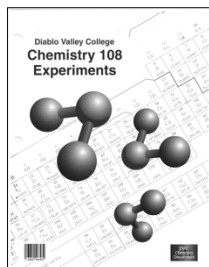
(Video & Handout: Graded Guiding Questions)

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.

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

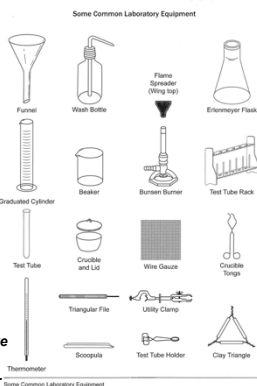
Read carefully & sign

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.

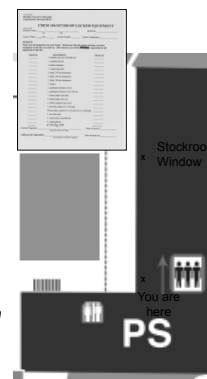


Missing or Broken Equipment

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-f17.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-f17.html>

Metric Measurement

Background

Mass is a measure of the amount of matter in an object. It is a scalar quantity and is measured in kilograms (kg) in the SI system. The mass of an object is constant regardless of its location. The mass of an object can be measured using a balance. A balance compares the mass of an object to the mass of a known standard. The balance is used to measure the mass of an object by placing it on one pan and a known mass on the other pan. The balance is then adjusted until the two pans are balanced. The mass of the object is then read from the balance.

Check to Measure

Data and Results

Mass (g)	Mass (kg)
100.0	0.100
200.0	0.200
300.0	0.300
400.0	0.400
500.0	0.500
600.0	0.600
700.0	0.700
800.0	0.800
900.0	0.900
1000.0	1.000

Collaboration will be encouraged but individual record keeping and submissions will be required.

Doing: Lab Experiments

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

