

**Lab Manual:** Available on-line. At the bottom right corner of the MyPortal homepage. Click on the "View All Groups" link and you should see the DA Chemistry Department site.

### Lab Grade

Lab Exams (120)

Lab Reports (90)

Lab Notebook (40)

Performance/Unknown (50)

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Total	300 points
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## I. CHEMISTRY 1C LABORATORY POLICY

1. **SAFETY GLASSES OR GOGGLES** must be worn **AT ALL TIMES** while you are in the laboratory.
2. Each student is required to have a **lab notebook** to prepare pre-lab write-up, record data, and conduct calculations. It will be evaluated as part of the grade.
3. You are expected to arrive in the laboratory on time. Tardiness of 15 minutes or more will result in deduction of performance points.
4. Student must check out with the instructor at the end of each lab to have their notebook checked and sign a roll sheet.
5. Each laboratory experiment must be completed within the specified time. There is no make-up lab. All lab work not conducted will be graded as a zero.
6. Proper chemical disposal is essential. Students who do not comply with directed procedures may be dropped from the course for repeated offenses.
7. You are required to officially check out of lab whether you remain in the course or drop the course. Failure to check out of lab will result in a late fee and may also result in your grades being held and a block placed on your future registration.
8. If you drop within the first two weeks of class and fail to check out of lab, your locker may be reassigned to another student by the instructor. After the first two weeks of class you must checkout by the assigned checkout date for your laboratory section.

## J. FORMAT OF THE LABNOTEBOOK (a hard bound notebook):

1. Number and Title of the experiment
2. Purpose/theory of the experiment (brief)
3. Formula for the calculation, if any.
4. Data table

**The above should be fully prepared prior to attending the lab lecture.**

5. Data (laboratory work) must be entered **immediately** and **directly** into the lab notebook **in ink**.
6. Calculations

The laboratory midterm and final are "**open-notebook**". A well-prepared notebook would be helpful during these exams.

## K. FORMAT OF THE LAB REPORT

1. Number and Title of the experiment.
2. Theory (more detail) and formula for the calculation

3. Data and calculation. Show at least one set-up for each different type of calculations.
4. Results (including all graphs) and discussion.
5. Pre-lab and post lab questions.

**Report is due on day 2 of the next experiment. Penalty for late reports: 1-2 day late less 10%, 2-7 day late less 40% More than 1 week late, less 60%**

### Lab Schedule

Week	DATE	
1	M 9/21/15	<b>Lab Check-In</b>
	W 9/23/15	Freezing Point Day 1
2	M 9/28/15	Freezing Point Day 2
	W 9/30/15	$K_{sp}$ , Common Ion Effects Day 1
3	M 10/5/15	$K_{sp}$ , Common Ion Effects Day 2
	W 10/7/15	Electrochem Day 1
4	M 10/12/15	Electrochem Day 2
	W 10/14/15	Buffers Day 1
5	M 10/19/15	Buffers Day 2
	W 10/21/15	Anions Day 1
6	M 10/26/15	Anions Day 2
	W 10/28/15	Cation (1)
7	M 11/2/15	Cation (2)
	W 11/4/15	<b>Lab Midterm</b> Cation (3)
8	<b>M 11/9/15</b>	<b>Holiday</b>
	W 11/11/15	Cation (4)
9	M 11/16/15	Cation (5)
	W 11/18/15	Cation (6)
10	M 11/23/15	Cation (7)
	W 11/25/15	Cation (8)
11	M 11/30/15	Cation (9)
	W 12/2/15	<b>Lab Final &amp; Lab Check-out</b>
12	M 12/7/15	