



## **B. SUGGESTED READING**

---

---

### Safety eye wear:

OSHA approved safety glasses or goggles must be worn by everyone once any experimentation has started in any area of a lab room. Students not observing this rule will receive a ZERO for that experiment, warnings will not be given. Safety eye wear can be purchased at the UVM bookstore.

**CONTACT LENSES are a potential hazard and should only be worn in the laboratory if you have no other type of corrective lenses.** If you wear contact lenses you must wear goggles, and be sure to inform your TA that you are wearing contacts.

**Foot Wear:** Only shoes that cover the toes are permitted in the lab. Sandals, Crocs and other open toed shoes are not permitted

**Lab Notebook:** A notebook with carbon-less copies must be used to record data taken in the lab. All data must be recorded in ink at the time the data is generated.

## D. COURSE GRADE:

Total Points = 1000 (800 class + 200 lab)

1. Points needed to obtain a specific grade

A ≥ 910	B+ ≥ 860	B- ≥ 780	C ≥ 650	D+ ≥ 600	D- ≥ 540
A- ≥ 890	B ≥ 800	C+ ≥ 740	C- ≥ 630	D ≥ 560	F ≤ 539

2. How to calculate your points

a) **Class = 800pts**

4 hr Exams = 4 grades

1 Final = 2 grades

6 grades - 1 grade = 5 grades x 1.6 = class pts

Only five grades are counted. If the final is your lowest grade it only counts once. If an hour exam is your lowest grade then one of the grades for the final will replace that low exam grade. The 1.6 factor is because each test was only worth 100 pts, and therefore the maximum number of points obtainable from the tests are 500. In order to raise this to 800 pts you must multiply the 500 x 1.6 = 800.

### The final:

You may elect not to take the final and use your **lowest hourly exam** score as the score for the final. You must let me know before you take the final exam if you wish to exercise this option. Once you start taking the final exam it will be counted.

**b) Laboratory = 200 pts**

Notebook / Prelab	18 pts
Lab reports	110 pts
Quizzes	<u>72 pts</u>
	<b>200 pts</b>

Obtained from lab TA, average grade is normally an 80% or 160 pts

**Absences:**

\_\_\_\_\_

\_\_\_\_\_

**2. TENTATIVE LABORATORY SCHEDULE**

<u>DATE</u>	<u>EXPERIMENT</u>
26 - 29 JAN	Molar Mass from Freezing Point Depression
2 - 5 FEB	Iodination of Cyclohexanone
9 - 12 FEB	Keq of FeSCN <sup>+2</sup>
16 - 19 FEB	<b>Presidents Day</b> - No Lab
23 - 26 FEB	Acid Neut. Pot. Anti-Acids
2 - 5 MAR	<b>Spring Break</b> - No Lab
9 - 12 MAR	Acid-base Equilibria and Buffers
16 - 19 MAR	$K_{sp}$ of Copper (II) tartrate
23 - 26 MAR	Thermodynamics of the Dissolution of Borax
30 MAR - 2 APR	Oxidizing Power of Bleaches
6 - 9 APR	Potentiometric Det. of $K_a$
13 - 16 APR	Electrolysis/Electroplating Check-out

**3. TENTATIVE LECTURER SCHEDULE**

<u>DATE</u>	<u>CHAPTER(section)</u>	<u>SUGGESTED PROBLEMS</u>
13 - 15 JAN	Review Sections	Ch 4 sec .4 - .7 (Molarity, Net Ionic Rxns, Titration) Ch 11 sec .3 - .4 (Intermolecular forces)
	12 All	Ch12 - 6,8,10,12,13,14,18,21,25,31,33,35,37,39,42,43,47, 49,51,54,57,59,61,63,70,71,73,75,78,80,83,86,89, 92,93,96,99,101,106,108,112,115
20 JAN	Finish 12 Start 13	Ch13 - 3,6,9,12,14,19,23,25,27,30,33,39,41,43,45,47,51, 53,55,57,59,61,64,67,72,75,79,81,85,87,90,94,97, 104,108



5 MAY

**Final - Cumulative**

4:30-7:15 in Angell B106