

Sheet1

<b>Laboratory</b>		
<b>Date</b>	<i>Schedule</i>	<i>Assignments Due</i>
<b>01/15/14</b>	Introduction Lab Bench Check-In	
<b>01/22/14</b>		
<b>01/29/14</b>	Safety/Webpage Quiz Cooperative Project I Cooperative Project I- Prelab Quiz	Cooperative Project I- Weekly Report and Notebook pages
<b>02/05/14</b>	Cooperative Project II- Prelab Quiz	Cooperative Project I- Lab Report (Due beginning of lab) Cooperative Project II- Weekly Report and Notebook pages
<b>02/12/14</b>	Cooperative Project II- Prelab Quiz	Cooperative Project II- Weekly Report and Notebook pages
<b>02/19/14</b>	Cooperative Project I & II- Quiz/Peer Evaluation Cooperative Project III- Prelab Quiz	Cooperative Project II- Lab Report (Due beginning of lab) Cooperative Project III- Weekly Report and Notebook pages
<b>02/26/14</b>	Cooperative Project III- Prelab Quiz	Cooperative Project III- Weekly Report and Notebook pages
<b>03/05/14</b>	Cooperative Project III- Prelab Quiz	Cooperative Project III- Weekly Report and Notebook pages
<b>03/12/14</b>	Cooperative Project III- Quiz/Peer Evaluation Cooperative Project IV- Prelab Quiz	Cooperative Project III- Lab Report (Due beginning of lab) Cooperative Project IV- Weekly Report and Notebook pages
<b>03/19/14</b>	Spring Break- No Lab	
<b>03/26/14</b>	Cooperative Project IV- Prelab Quiz	Cooperative Project IV- Weekly Report and Notebook pages

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<b>04/02/14</b>	Cooperative Project IV- Presentations/Quiz/Peer Evaluation Cooperative Project V- Prelab Quiz	
<b>04/09/14</b>	Cooperative Project V- Prelab Quiz	Cooperative Project V- Weekly Report and Notebook pages
<b>04/16/14</b>	Cooperative Project V- Prelab Quiz	Cooperative Project V- Weekly Report and Notebook pages
<b>04/23/14</b>	Cooperative Project V- Presentations/Quiz/Peer Evaluation Lab Check-Out	Cooperative Project V- Lab Report (Due beginning of lab)
<b>05/01/14</b>	<b>Final Exam</b>	<b>Thursday 3:00 pm</b>

<u>Exams</u>	<u>Prelab Topics</u>

No Lab- Martin Luther King Holiday

	<p>Quantitative and Qualitative Analysis</p> <p>Videos:  measurements  precision/accuracy  significant figures  conversions  density</p>
	<p>Using burets, Using pH meters</p> <p>Videos:  Concentration  Solubility Rules  Net Ionic Equations  Stoichiometry  Limiting Reactants</p>
	<p>Calorimetry, Heats of Reactions</p> <p>Precipitation Reactions,  Acid/Base Reactions,  Oxidation-Reduction Reactions</p>
<b>EXAM 1</b>	
	<p>Organic Nomenclature and Functional Groups NMR and IR</p>

	Ethanol Kinetics
<b>EXAM 2</b>	

## Recitation

### Reading Assignments and Homework Problems (End of Chapter Exercises)

**Laboratory Manual:**

~Recording and Reporting Results, p. 17-19 ~Reporting Numerical Results, Significant Figures, Graphs, p. 35-40 ~Measuring Devices, p. 47-49 ~Reading a Meniscus, p. 67-68

**General Chemistry:**

~Read Section 1-4, Density (pp 11-12); Sections 1-7 and 1-8

~Complete the following problems:

Practice Problems: 1-4 (p. 12), 1-9 (p. 22), 1-10 (p 22);

End of Chapter Problems 16, 30, 32, 59 (instead of calculating percent error, calculate the standard deviation), 61, 64

A sample of an unknown metal was placed in a graduated cylinder containing water.

The mass of the sample was 23.5 g and the water level rose from 47.5 ml to 52.2 ml.

Calculate the density of this unknown metal.

**Laboratory Manual:**

~Read pages 57-65

**General Chemistry:**

~ Molarity: Read Section 12-2 (395-399); Complete Practice Problem 12-1, End of Chapter Problems 12.2, 12.10

~Precipitation Reactions: Read Section 10-9, (328-332); Complete Practice Problems 10-13, 10-14, 10-15, and End of Chapter Problems 10-52

~Reaction Stoichiometry: Read Section 12-5 (405-408); Complete Practice Problem 12-7, 12-8 and End of Chapter Problems 12.18, 12.22

**General Chemistry:**

~ Calorimetry: Read Section 14-8, (501-503);

~Precipitation Reactions: Read Section 10-9, (328-332); Complete Practice Problems 10-13, 10-14, 10-15, and End of Chapter Problems 10-52

~ Acids and Bases: Read Section 10-10 (332-335); Complete End of Chapter Problems 10-56

~Oxidation-Reduction Reactions: Read Section 10-11, (335-338); Complete Practice Problems 10-18, 10-19
