

## CHM 152 Laboratory Schedule for Spring 2010

<i>Date</i>	<i>Week (days)</i>	<i>Lab Experiment</i>
<i>Jan 19-22</i>	Tue - Fri	Meet classes, distribute lab schedules. No experiment
<i>Jan 25 - 29</i>	Mon - Fri	Safety Lecture (NOTE: Safety test given either this week or next week) Check-in Intro to lab pro
<i>Feb 1 – 5</i>	Mon – Fri	Freezing Point Depression of Aqueous Solutions (Lab Manual, p 113)
<i>Feb 8 - 12</i>	Mon - Fri	Kinetics of the Oxidation of Iodide Ion by Hydrogen Peroxide (Lab Manual, p. 69)
<i>Feb 15 – 19</i>	Mon - Fri	Measurement of the Kinetics of the Bleaching of Crystal Violet Dye: Part 1: Determination of Rate Law and Rate Constant (Lab manual, p 79)
<i>Feb 22 – 24</i>	Mon - Wed	Rodeo Week – No experiment
<i>Mar1-5</i>	Mon - Fri	Measurement of the Kinetics of the Bleaching of Crystal Violet Dye : Part 2: Determination of the Activation Energy of the Reaction (Lab manual, p 79)
<i>Mar 8 - 12</i>	Mon - Fri	Exploring Chemical Equilibrium Using LeChâtelier's Principle (Lab Manual, p. 83)
<i>Mar 15 - 19</i>	Mon - Fri	Spring Break – No experiment
<i>Mar 22 – 26</i>	Mon - Fri	The Spectrophotometric Determination of an Equilibrium Constant (Lab Manual, p. 87)
<i>Mar 29 - Apr 2</i>	Mon - Fri	Titration of Strong and Weak Acids and Bases (Lab Manual, p. 95)
<i>Apr 5 – Apr 9</i>	Mon – Fri	Buffer Capacity of Buffer Solutions (Lab Manual, p. 105)
<i>Apr 12 – 16</i>	Mon - Fri	Measurement of the Gibbs Free Energy for the Autoionization of Water (Lab Manual, p. 91)
<i>Apr 19 – 23</i>	Mon - Fri	Choice Labs
<i>Apr 26 – 30</i>	Mon - Fri	Exploring the Electrochemistry of Voltaic Cells (Lab Manual, p. 119)
<i>May 3 – 7</i>	Mon - Fri	Choice Lab Presentations Final checkout
<i>May 10 – 11</i>	Mon – Tue	Last two days of classes - No Labs
<i>May 12 – 18</i>	Wed - Tue	Final Exam week – No labs

You are expected to read each experiment and check the safety precautions for all chemicals used in the experiments before coming to class. Your instructor will provide more information on these requirements.

If you are not prepared for lab, you may be asked to leave and will receive a grade of zero for that laboratory experiment.

Laboratory reports follow the format outlined by your lab instructor. Data analysis calculations, graphs, and questions must be completed for each laboratory report.

Reports are due no later than **one week** after the experiment is completed.

Laboratory reports are graded based on neatness, completion of introductory information, completion of data, sample calculations, summary of results and conclusions, and answers to questions. Missed or incomplete experiment reports may be graded as a zero. Choice labs and the presentation count as a double experiment.

## LABORATORY SAFETY

Laboratory safety is a major component of working in a chemical laboratory. At the beginning of the semester, you are given a safety lecture and a safety exam.

You must abide by the safety rules during the semester. This includes wearing safety goggles when working with chemicals, wearing closed shoes, not sandals or flip-flops, appropriate dress, and following proper methods of chemical disposal. Non-compliance may result in you being asked to leave the laboratory with a grade of zero for that day.