

State University of New York at Stony Brook  
Department of Chemistry

**Lecture: Mondays:** 12:50 – 2:10PM , Rm 100, Javits Lecture Hall

**Lab: Thursdays:** 1:50 PM, Rm 319, Old Chem. Bldg.

Lec	Lab	Exercise	Module #	*Page #
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8/31	9/10	Check-in, Discussion of course requirements, goals and methods. View safety video. <b>COMPLETE SAFETY QUIZ</b>	SUSB-001, 002	17-24
9/14	9/17	Introduction to Laboratory Measurements	SUSB-003, SUPL-001	A.1 – A.10
9/21	9/24	Food Dyes: Spectroscopy and Beer's Law. <b>CHECK NOTEBOOKS</b>	SUSB-037, SUPL-004 SUPL-005	A14 – A.16 406
<b>9/28</b>	<b>10/01</b>	<b>No Lecture/No Lab (Rosh hashana Holiday)</b>		
10/05	10/08	Identification of Food Dyes by Paper Chromatography. <b>TEST EXERCISE</b> <b>BRING YOUR OWN M&amp;Ms</b>	SUSB-009	555
10/12	10/15	<b>QUIZ I:</b> Preparation of an Alum	SUSB-030	140- 147
10/19	10/22	Identification of Household "Chemicals". <b>TEST EXERCISE</b>	SUSB-004	164 – 166
10/26	10/29	Reduction of Vanillin to Vanillyl Alcohol - IR studies	SUSB-039 SUPL-005	A.26 – A.30 392, 79 – 81
11/02	11/05	<b>QUIZ 2,</b> Acid content of fruit Juices and soft drinks. <b>BRING YOUR OWN BEVERAGE</b>	SUSB-010	171 – 180 190 – 202
11/ 09	11/12	Strength of vinegar by acid-base titration. <b>TEST EXERCISE</b>	SUSB-011	171 – 180 190 – 202
11/16	11/19	Analysis of a Mixture of Sodium Hydrogen Carbonate and Sodium Chloride Mixture. <b>(Part 1)</b>	SUSB-054	146, 445 – 460 734 – 735
<b>11/23</b>	<b>11/26</b>	<b>No Lecture/No Lab/Thanksgiving</b>		
11/30	12/03	Analysis of a Mixture of Sodium Hydrogen Carbonate and Sodium Chloride Mixture. <b>(Part 2) . TEST EXERCISE</b>	SUSB-054	
12/07	12/10	<b>QUIZ III-Comprehensive,</b> Clean up and Check Out from Laboratory		

Page #s in text for CHE 131, "CHEMISTRY: The Molecular Science" by Moore, Stanitski, and Jur

**Lab Manual:** "Introductory Chemistry Laboratory Manual. CHEMISTRY 133", by State University of New York @ Stony Brook

**Other Material:** a) Safety goggles, which must be worn in lab at all times; b) a padlock to be used to secure drawer throughout the semester; c) a bound notebook with numbered pages for use in recording observations and data in the lab; d) a terry towel to dry glassware. All available at University Bookstore.