

Example for  
CHEM Transfer  
Elletson

## Chemistry 121-013 Course Outline — Fall 2015

**Textbook:** Tro, Nivaldo, J., *Chemistry: The Molecular Approach*, (any edition is fine)

**Online HW:** Mastering Chemistry access code

**Lab Manual:** *Laboratory Experiments will be posted on Blackboard; Heyden, McNeil Laboratory notebook*

**Class Schedule:**

Monday	8:00–10:45 am	Z341/343	Laboratory
Tuesday & Thursday	8:00 – 9:15 am	Z349	Lecture
Wednesday	8:00–8:50 am	Z349	Discussion

Date	Topic/Chapter	Laboratory
Week 1: 8/24-8/28 <i>Sunday, 08/30 - Last Day for 100% Refund for 16 week classes</i>	Chapter 1: Matter, Measurement & Problem Solving	Safety Orientation, Check-in, Review
Week 2: 8/31-9/4	Chapter 2: Atoms and Elements	Relationship between Density and % by Mass of NaCl solutions
Week 3: 9/7-9/11 <i>(No Classes Monday, 9/7 Labor Day)</i>	Chapter 3: Molecules, Compounds, and Chemical Equations	No Lab due to Labor Day Holiday
Week 4: 9/14-9/18	Chapter 3: continued	Chemical Reactions
Week 5: 9/21-9/25	Chapter 4: Chemical Quantities and Aqueous Reactions	<b>Exam 1</b>
Week 6: 9/28-10/2	Chapter 4: continued Chapter 5: Gases	Analysis of an Antacid
Week 7: 10/5-10/9	Chapter 5: continued	Leaf Lab (preparation)
Week 8: 10/12-10/16	Chapter 6: Thermochemistry (6.1-6.2) Chapter 7: The Quantum Mechanical Model of the Atom	Leaf Lab Analysis
Week 9: 10/19-10/23	Chapter 8: Periodic Properties of the Elements	Flame Tests
Week 10: 10/26-10/30	Chapter 8: continued	Spectrophotometric Determination of Cu <sup>2+</sup> Ions
Week 11: 11/2-11/6	Chapter 9: Chemical Bonding I	<b>Exam 2</b>
Week 12: 11/9-11/13	Chapter 9: continued Chapter 10: Chemical Bonding II	Water Analysis Using ICP
Week 13: 11/16-11/20 <i>Sunday, 11/22 - Last Day to Withdraw from 16 week classes</i>	Chapter 10: continued	Molecular Geometry and Synthesis of a Compound with NMR Analysis: Part 1
Week 14: 11/23-11/24 <i>Thanksgiving Holiday No Classes Wed-Sun, 11/25-11/29</i>	Chapter 11: Liquids, Solids, and Intermolecular forces (11.1-11.9)	Synthesis of a Compound with NMR Analysis: Part 2
Week 15: 11/30-12/4	Chapter 11: continued Chapter 12: Solutions	<b>Exam 3</b>
Week 16: 12/7-12/11	Chapter 12: continued	Check Out and Review
<b>Final Exam</b>	<b>Thursday, December 17</b>	<b>E Building 3:00-5:00 PM</b>