

## Fall 2011 Schedule

### *General Chemistry I (CHM 1310G) and General Chemistry Laboratory I (CHM 1315G)*

You must be enrolled in both CHM 1310G and CHM 1315G. If you drop, you must drop both courses. You cannot remain in lab if you drop lecture or vice versa.

Lab meets for the first time the **second** week of class. If you miss the first scheduled lab meeting, you must notify your lab instructor concerning your absence prior to the second lab meeting. If you fail to do so, you will be dropped from the course.

#### Textbooks

CHM 1310G: *Chemistry: The Central Science*, 12<sup>th</sup> edition, Brown, LeMay, Bursten, Murphy, and Woodward plus *Solutions to Red Exercises*. Obtain these items from TRS.

CHM 1315G: *Chemistry 1315: The Laboratory*. Purchase the lab manual at Copy-X located on the corner of 3<sup>rd</sup> and Lincoln Ave. Cost: \$8. Bring the lab manual to the first scheduled lab meeting.

Dates	CHM 1310G (lecture)	CHM 1315G (lab)
8/22-26	Ch 1: Introduction: Matter and Measurement	No Class
8/29-9/2	Ch 2: Atoms, Molecules, and Ions	Check- In Exp 1: Lab Tools: The Balance...
9/5-9	Ch 3: Stoichiometry: Calculations with Chemical Formulas and Equations	Exp 2: Measurement: Physical Properties
9/12-16	Ch 3: continued	Exp 3: Chemical Equations: Mass Relationships
9/19-23	Ch 4: Reactions in Aqueous Solutions	Exp 4: Solubility and Precipitation
9/26-30	Ch 4: continued	Exp 5: Solution Reactions: Identifying ...
10/3-7	Ch 5: Thermochemistry	Exp 6: Solution Stoichiometry: Acid-Base Titration
10/10-14	Ch 5: continued	Exp 7A: Chemical Equations: Energy... Exp 7B: Preparation of a Copper Carbonate
10/17-21	Ch 6: Electronic Structure of Atoms	Exp 8: Spectrophotometric Analysis
10/24-28	Ch 6: continued Ch 7: Periodic Properties of the Elements	Exp 9A: Composition of a Copper Carbonate Exp 9B: Preparation of a Double Salt
10/31-11/4	Ch 7: continued Ch 8: Basic Concepts of Chemical Bonding	Exp 10: Spectroscope and Line Spectra
11/7-11	Ch 8: continued	Exp 11: Analysis of a Double Salt, Part I
11/14-18	Ch 9: Molecular Geometry and Bonding Theories	Exp 11: Analysis of a Double Salt, Part II
11/21-25		
11/28-12/2	Ch 10: Gases	Exp 12: Properties and Composition of Air
12/5-9	Ch 11: Liquids and Intermolecular Forces	Lab Final and Check-out

**Tutoring:** The chemistry department sponsors a tutoring service staffed by advanced undergraduate chemistry majors and/or graduate students; this service is normally in place by the fourth week of the semester. A tutoring schedule will be announced distributed, and posted then. Tutoring is free and tutors are available on a first-come first-served basis. (Note: This service is contingent upon the availability of suitable tutors.)