

Chemistry 101
Spring, 2012
Tentative Course Syllabus
Millington 211; TR, 11-12:20

Instructor: S.K. Knudson; **Office:** Nope; **Hours:** by appt. **email:** skknud@wm.edu

Text: Hill, McCreary, Kolb; Chemistry for Changing Times, 12th ed., Prentice Hall, 2010

Objectives: An introduction to general chemical principles related to humans and their environment, including the composition of matter, chemical reactions and energy. For non-science concentrators.

Grading: Two inclass exams (20%, 25%), cumulative final exam (35%), more-or-less weekly quizzes (12%)

Make-up tests are not typically permitted. If you must miss an exam, please let me know your reason at least one week in advance. If your reason is valid (that is, academic), we will arrange for you to take the exam early. All questions regarding grading of exams must be raised within one week following return of the material and I will gladly correct my error. No scores will be changed thereafter.

Website: <http://people.wm.edu/~skknud/chem101>

Problems: are assigned for each chapter. Your ability to solve problems materially affects your understanding of the concepts, and your grade in the course, so working the problems is **critical**.

Tentative Schedule

<i>Date</i>	<i>Topic</i>	<i>Text</i>	<i># Lects</i>
R, 1/19	Science and the Scientific Method	(1)	1
T 1/24	The Atomic Theory of Matter	(2, 3)	4
T, 2/7	Chemical Bonding and Molecular Shapes	(4)	3
R, 2/16	The Mole and Reaction Stoichiometry	(5)	3
T, 3/20	Gases and Gas Laws; Solids and Liquids	(6)	3
T, 4/3	Reaction type: Acid - Base	(7)	3
T, 4/19	Reaction type: Redox	(8)	3
T, 4/24	Energy	(15)	2
R, 4/26	Air	(13)	1

Final Examination: Wed., May 9, 2012, 2 pm *Yes, the very last period

The first in-class examination will cover Chaps. 1-5; it will be held shortly before spring break. The second, Chaps. 6 →, will be administered about two weeks before the end of the term.