

CHEM 201

Course Syllabus

Summer 2008

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Office: Chemistry LL37

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Lectures: MTWThF 11:20 – 12:50 Chemistry LL16

Office Hours: By appointment

**Text:** *Chemistry: The Molecular Nature of Matter and Change*, 4<sup>th</sup> edition, by Silberberg. Material for this semester will be taken from chapters 1 - 10. Additional material may be added and not everything in the above chapters will be covered.

**Course Outline:** This course consists of both main lectures and recitation sections. The main lectures meet five times a week and are given by the Senior Instructor. The recitation sections meet twice a week and are conducted by a Teaching Assistant. This course does not include a laboratory component.

**Attendance:** Attendance is NOT mandatory (except for exams and quizzes). However, regular attendance in lecture and recitation will ease the learning process and improve your overall understanding of the material.

**Evaluation:** The course grade will be based on four in class exams as well as your quiz average from recitation. Dates for all exams are announced in advance and must be taken during the scheduled time. There are no make-up exams. A missed exam will count as a zero. There are some cases where a student may miss an exam for a justifiable cause. Students should inform the Senior Instructor as soon as possible and should provide some evidence such as a doctor's note.

**Final Grade:** The final letter grade for the course will be assigned according to the scale below. These are guaranteed minima and will be applied to the final scaled score (if a scale is applied).

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>
<b>100-87.5</b>	<b>87.4-75.0</b>	<b>74.9-62.5</b>	<b>62.4-50.0</b>	<b>&lt; 50.0</b>

**Problem Solving:** Understanding chemistry will be much easier by solving a lot of problems. Suggested problems from each chapter will be announced in class. Study the chapter material before attempting the problems, and avoid the temptation to look up the answer before really trying to solve the problem. The more problems you do, the better you will get. The suggested problems will not be collected and graded.

**Calculator:** You will need a scientific calculator for this course. Be certain you know how to use it. If not, ask the Senior Instructor or your TA. Any calculators capable of storing alphanumeric characters are banned from exams, and will be confiscated until the end of the exam period.

**Help:** The most important guidelines for doing well in this class include regular attendance, taking good lecture notes, reading the chapters in the text, and as much practice at problems

solving as possible. Sources of help include the Senior Instructor and TA. Another important source of help is other students in the class. It may be helpful to share notes, and go over homework problems together, or to form small study groups. It is very easy to fall behind in this fast paced course. It is your responsibility to keep up the pace, and remember, don't be afraid to ask for help.

**CHEM 201****Course Schedule****Summer 2008**

The following is a tentative schedule for the semester. If any changes are necessary, they will be announced in class. The suggested homework problems may appear on exams. At the very least, you should be able to work and understand these problems, and for more practice you may work additional problems at the end of the chapter.

<u>Date</u>	<u>Chapter</u>	<u>Content</u>
6/3	Chap. 1	Keys to the Study of Chemistry
6/4	Chap. 1	
6/5	Chap. 2	The Components of Matter
6/6	Chap. 2	
6/9	Chap. 3	Stoichiometry of Formulas and Equations
6/10	EXAM I	
6/11	Chap. 3	
6/12	Chap. 4	The Major Classes of Chemical Reactions
6/13	Chap. 4	
6/16	Chap. 5	Gases and Kinetic Molecular Theory
6/17	Chap. 5	
6/18	EXAM II	
6/19	Chap. 6	Thermochemistry
6/20	Chap. 6	
6/23	Chap. 7	Quantum Theory and Atomic Structure
6/24	Chap. 7	
6/25	Chap. 8	Electron Configuration and Periodicity
6/26	EXAM III	
6/27	Chap. 8	
6/30	Chap. 9	Models of Chemical Bonding
7/1	Chap. 9/10	
7/2	Chap. 10	The Shapes of Molecules
7/3	EXAM IV	