

# Chemistry 121 - General Chemistry I

Summer 2003

Monday, Tuesday, Wednesday, Thursday 10:15 a.m. – 12:15 p.m.

MSC 112

**Instructor:** Dr. Andreas Gebauer (office: MSB 337, telephone, 842-6365; e-mail, [agebauer@matsci.uah.edu](mailto:agebauer@matsci.uah.edu), <http://chemistry.uah.edu/faculty/Gebauer>).

**Office Hours:** Monday through Thursday from 9:00-10:00 a.m., MSB 337, or by appointment.

**Textbook:** Kotz & Treichel, Chemistry & Chemical Reactivity, 5<sup>th</sup> Ed.

**Attendance:** Attendance is mandatory and will be monitored.

**Examinations:** There will be three examinations worth 25 points each. The examinations will be based upon class lectures, textbook reading, and homework problems. In addition, a final examination will be given, worth 40 points. **Failure to take the final exam will lead to a non-passing grade!** There will be no make-up, early, or late exams!

**Homework Problems:** Homework problems are posted regularly online at <http://ow11.harcourtcollege.com/studentlogin.html>. They will be graded and are worth a total of 35 points. Due-dates are listed at the end of this syllabus. The PIN number needed for access is included with a newly purchased textbook or can be purchased separately. Make certain that you register **immediately** and with the correct course.

**Grading:** Grades will be based upon your performance on the three exams, the final exam, and the homework. There are 150 points possible. Grades will be assigned following these benchmarks: 135-150 = A, 120-134 = B, 90-119 = C, 60-89 = D, below 60 = F.

**Misconduct:** Cheating on examinations will not be tolerated. Anyone found cheating (copying another exam, asking others for answers, or using textbook or notes during exams) will be asked to leave and will receive an "F" for the course. To avoid any doubts during exams, please do not talk to others and do not look at other exams.

**Advice:** Chemistry 121, General and Inorganic Chemistry, is an introductory chemistry course designed to introduce basic concepts important in chemistry. To do well involves time and effort. It will be to your advantage to come to all of the lectures, to read (and re-read, if necessary) the textbook, to work the homework and textbook problems, and not to fall behind.

**Complaint Procedure:** If you have difficulties or complaints related to this course, your first action usually should be to discuss them with me. If such a discussion would be uncomfortable for you or fails to resolve your difficulties, you should contact Professor Baird, Chair of the Department of Chemistry. Professor Baird's office is MSB 203-C. His telephone number is 824-6441. If you still are unsatisfied, you should discuss the matter with Dr. Debra Moriarity, Associate Dean of the College of Science. Dean Moriarity's office is C207 Materials Science Building.

**Students with Disabilities:** I would like to hear from anyone who has a disability that may require a modification of seating, testing, or other class procedures. Please see me after class or during my office hours to discuss appropriate modifications.

# Chemistry 121

## Syllabus

### Summer 2003

Day	Date	Topic	Textbook Reading
Tuesday	May 27	Intro, Lecture – Atoms, Molecules, Units	Ch 1-2
Wednesday	May 28	Lecture – Molecules and Compounds	Ch. 3
Thursday	May 29	Lecture – Equations and Stoichiometry	Ch. 4
Monday	June 2	Lecture – Reactions in Aqueous Solutions	Ch. 5
Tuesday	June 3	<b>Exam I</b> (Chapter 1 – 4, 10:15 – 11:15 am) Lecture – Reactions in Aqueous Solutions	Ch. 5
Wednesday	June 4	Lecture – Energy and Chemical Reactions	Ch. 6
Thursday	June 5	Lecture – Atomic Structure	Ch. 7
Monday	June 9	Lecture – Electron Configuration, Periodicity	Ch. 8
Tuesday	June 10	<b>Exam II</b> (Chapter 5-7, 10:15 – 11:15 am) Lecture – Covalent Bonds, Valence Bonding	Ch. 9
Wednesday	June 11	Lecture – Electron Configuration, Periodicity	Ch. 9
Thursday	June 12	Lecture – Electronegativity, Ionic Bonding	Ch. 9
Monday	June 16	Lecture – Molecular Structure	Ch. 10
Tuesday	June 17	Lecture – Molecular Structure	Ch. 10
Wednesday	June 18	Lecture – Organic Chemistry	Ch. 11
Thursday	June 19	<b>Exam III</b> (Chapter 8-10, 10:15 – 11:15 am) Lecture – Organic Chemistry	Ch. 11
Monday	June 23	Lecture – Gases and Their Properties	Ch. 12
Tuesday	June 24	Lecture – Gases and Their Properties	Ch. 12
Thursday	June 26	<b>ACS FINAL EXAM</b> (Chapter 1-12)	8:00 – 11:00 am

### **Homework Due Dates**

Chapter 1	June 3, 2003, 9:00 a.m.
Chapter 2	June 3, 2003, 9:00 a.m.
Chapter 3	June 3, 2003, 9:00 a.m.
Chapter 4	June 3, 2003, 9:00 a.m.
Chapter 5	June 10, 2003, 9:00 a.m.
Chapter 6	June 10, 2003, 9:00 a.m.
Chapter 7	June 10, 2003, 9:00 a.m.
Chapter 8	June 19, 2003, 9:00 a.m.
Chapter 9	June 19, 2003, 9:00 a.m.
Chapter 10	June 19, 2003, 9:00 a.m.
Chapter 11	June 26, 2003, 8:00 a.m.
Chapter 12	June 26, 2003, 8:00 a.m.