CHEM 1311 - General Chemistry I Lecture
Spring 2012

meeting time	section number	synonym
TTh 9:00-10:20 a.m.	027	44048
TTh 9:00-10:20 a.m.	127	44076
TTh 12:00-1:20 p.m.	031	44050
TTh 12:00-1:20 p.m.	131	44078

Instructor: Dr. Debbie Sackett
Office Number: RGC 319.1
Phone Number: 223-3314
e-mail address: dsackett@austincc.edu
web page: http://www.austincc.edu/dsackett/
Office Hours: Monday and Wednesday 12:00 – 1:25 p.m.
Tuesday and Thursday 8:25 – 8:55 a.m., and 10:30 – 11:55 a.m.

COURSE DESCRIPTION
Covers the fundamental facts, laws, principles, theories, and concepts of chemistry necessary for further work in science or science-related subjects. Stresses atomic structure, periodic properties of matter, chemical bonding, and molecular geometry of organic and inorganic molecules, states of matter, stoichiometry, and properties of solutions.

Prerequisites: One year of high school chemistry or CHEM 1405 (CHEM 1305 & 1105) AND two years of high school algebra or MATD 0390.
Corequisiste: CHEM 1111

TEXTS/MATERIALS
"Chemistry: The Molecular Nature of Matter and Change", 6th ed., by Silberberg is the departmentally approved text. Use of an older edition of this or another college text is acceptable.

CALCULATOR
You will need a scientific calculator for lecture activities. ***Graphing calculators will NOT be allowed during tests***.

COMMON COURSE OBJECTIVES
These can be found at: http://www.austincc.edu/chem/curriculum/index.htm

COURSE EVALUATION/GRADING

Homework: Recommended homework will be assigned for each unit, but not graded. Exam questions will come from the homework as well as lecture notes, so it is suggested you work all the assigned problems. Answer keys to the homework are available on the course Blackboard website. Ancillary materials are available on my website.

Exams: There will be five regular exams. All exams will be given in the testing center during the *tentative* dates shown below. Grades may be curved at the discretion of the instructor. Make-up exams may be given with prior notice or under special circumstances (e.g., hospitalization or incarceration). There will be a 10-point penalty on exams given, for whatever reason, after the set exam dates. A comprehensive final will be given on the last day of class. The final exam is optional. You can take this exam if you wish to replace a lower grade on a previous exam with the grade from the final exam. If you take the final exam and it is your lowest grade, it will be dropped.

LECTURE OUTLINE/CALENDAR

*Test dates are tentative and will be confirmed in class

Unit 1: Introduction to Matter and Measurements (1.1, 1.4-1.6, 2.1, 2.9, 6.3 – specific heat only)
Unit 2: Chemical Formulas and Composition Stoichiometry (2.2, 2.7, 3.1, 3.2)
***Exam 1** (Feb. 2-9)

Unit 3: Chemical Equations and Reaction Stoichiometry (3.3-3.5)
Unit 4: Writing Chemical Equations (2.6, 4.1-4.6)
***Exam 2** (Feb. 23-Mar. 1)

Unit 5: Inorganic Nomenclature (2.8)
Unit 6: Structure of the Atom (2.3-2.5, 7.1-7.4, 8.1, 8.2)
Unit 7: Chemical Periodicity (8.3, 8.4-ionic radius, 9.5-electronegativity)
***Exam 3** (Mar. 27-Apr. 3)

Unit 8: Chemical Bonding (9.1-9.5, 10.1)
Unit 9: Molecular Structures and Covalent Bonding Theories (10.2, 10.3, 11.1-11.3)
***Exam 4** (Apr. 17-24)

Unit 10: Gases (5.1-5.4)
Unit 11: Liquids and Solids (12.1-12.4)
Unit 12: Solutions (13.1. 13.3-13.6)
Exam 5 (May 3-10)
Comprehensive Final (May 10th), in class, optional.

FINAL EVALUATION:

Grading for the lecture course follows a standard curve:
A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%

Your final grade is based on your 5 highest exam grades. There is no extra credit work available.

GENERAL COURSE POLICIES

Attendance Policy: You are not required to attend lecture; however, your life will be so much easier if you do attend class.

Classroom Behavior: Please turn off cell phone ringers during lecture.

Missed Exams: If you miss an exam, you need to contact me as soon as possible. I always grade exams within two days of the deadline, and return them promptly. Once exams are returned, there will be no chance for a make-up.

Incomplete Grade Policy: Incompletes can be given if you complete 75% of the course work with at least a 70% average.

Withdrawal Policy: If you wish to drop the class, please do so yourself. The instructor will not be responsible, unless you make a specific request prior to the drop deadline. The drop deadline is April 23, 2012. Lecture and lab must be dropped simultaneously.

Testing Center Policy

Under certain circumstances, an instructor may have students take an examination in a testing center. Students using the Academic Testing Center must govern themselves according to the Student Guide for Use of ACC Testing Centers and should read the entire guide before going to take the exam.

To request an exam, one must have:

- ACC Photo ID
- Course Abbreviation (e.g., ENGL)
- Course Number (e.g.,1301)
- Course Synonym (e.g., 10123)
- Course Section (e.g., 005)
- Instructor's Name

Do NOT bring cell phones to the Testing Center. Having your cell phone in the testing room, **regardless of whether it is on or off**, will revoke your testing privileges for the remainder of the semester. ACC Testing Center policies can be found at http://www.austincc.edu/testctr/

Exams will only be available in the RGC testing center. RGC testing center (room 127) hours are as follows:

Monday-Thursday	8:00 a.m. – 8:00 p.m.
Friday	8:00 a.m. – 4:00 p.m.
Saturday	9:00 a.m. – 1:00 p.m.

COLLEGE POLICIES

Use of ACC Email

All College e-mail communication to students will be sent solely to the student's ACCmail account, with the expectation that such communications will be read in a timely fashion. ACC will send important information and will notify you of any college related emergencies using this account. Students should only expect to receive email communication from their instructor using this account. Likewise, students should use their ACCmail account when communicating with instructors and staff. Instructions for activating an ACCmail account can be found at http://www.austincc.edu/accmail/index.php.

Statement on Scholastic Dishonesty

A student attending ACC assumes responsibility for conduct compatible with the mission of the college as an educational institution. Students have the responsibility to submit coursework that is the result of their own thought, research, or self-expression. Students must follow all instructions given by faculty or designated college representatives when taking examinations, placement assessments, tests, quizzes, and evaluations. Actions constituting scholastic dishonesty include, but are not limited to, plagiarism, cheating, fabrication, collusion, and falsifying documents. Penalties for scholastic dishonesty will depend upon the nature of the violation and may range from lowering a grade on one assignment to an "F" in the course and/or expulsion from the college. See the Student Standards of Conduct and Disciplinary Process and other policies at http://www.austincc.edu/current/needtoknow

Student Rights and Responsibilities

Students at the college have the rights accorded by the U.S. Constitution to freedom of speech, peaceful assembly, petition, and association. These rights carry with them the responsibility to accord the same rights to others in the college community and not to interfere with or disrupt the educational process. Opportunity for students to examine and question pertinent data and assumptions of a given discipline, guided by the evidence of scholarly research, is appropriate in a learning environment. This concept is accompanied by an equally demanding concept of responsibility on the part of the student. As willing partners in learning, students must comply with college rules and procedures.

Statement on Students with Disabilities

Each ACC campus offers support services for students with documented disabilities. Students with disabilities who need classroom, academic or other accommodations must request them through the Office for Students with Disabilities (OSD). Students are encouraged to request accommodations when they register for courses or at least three weeks before the start of the semester, otherwise the provision of accommodations may be delayed.

Students who have received approval for accommodations from OSD for this course must provide the instructor with the 'Notice of Approved Accommodations' from OSD before accommodations will be provided. Arrangements for academic accommodations can only be made after the instructor receives the 'Notice of Approved Accommodations' from the student.

Students with approved accommodations are encouraged to submit the 'Notice of Approved Accommodations' to the instructor at the beginning of the semester because a reasonable amount of time may be needed to prepare and arrange for the accommodations. Additional information about the Office for Students with Disabilities is available at http://www.austincc.edu/support/osd/

Safety Statement

Austin Community College is committed to providing a safe and healthy environment for study and work. You are expected to learn and comply with ACC environmental, health and safety procedures and agree to follow ACC safety policies. Additional information on these can be found at http://www.austincc.edu/ehs. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the Emergency Procedures poster and Campus Safety Plan map in each classroom. Additional information about emergency procedures and how to sign up for ACC Emergency Alerts to be notified in the event of a serious emergency can be found at http://www.austincc.edu/emergency/.

Please note you are expected to conduct yourself professionally with respect and courtesy to all. Anyone who thoughtlessly or intentionally jeopardizes the health or safety of another individual will be immediately dismissed from the day's activity, may be withdrawn from the class, and/or barred from attending future activities.

STUDENT AND INSTRUCTIONAL RESOURCES

ACC strives to provide exemplary support to its students and offers a broad variety of opportunities and services. Information on these services and support systems is available at: http://www.austincc.edu/s4/

Links to many student services and other information can be found at: http://www.austincc.edu/current/

ACC Learning Labs provide free tutoring services to all ACC students currently enrolled in the course to be tutored. The tutor schedule for each Learning Lab may be found at:
http://www.austincc.edu/tutor/students/tutoring.php