

**CHEM 1111 – General Chemistry I Lab  
Spring 2012**

<b>meeting time</b>	<b>section number</b>	<b>synonym</b>
T 1:30-4:20 p.m.	031	43937
M 1:30-4:20 p.m.	033	43938
W 1:30-4:20 p.m.	133	43966

**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**

This course is the laboratory to accompany CHEM 1311 lecture. Emphasis is placed on techniques, properties and reactions, and reinforcing principles offered in the lecture portion of the course. **Prerequisites: One year of high school chemistry or CHEM 1405 (CHEM 1305 & 1105); two years of high school algebra or MATD 0390. Co-requisite: CHEM 1311.**

### **REQUIRED TEXTS/MATERIALS**

You do not need to purchase a lab book. All lab materials will be provided either on Blackboard or passed out by the instructor at least one week in advance of the lab.

### **CALCULATOR**

You will need a scientific or graphing calculator for lab activities.

### **COURSE EVALUATION/GRADING**

#### **Preparation before lab**

- You must write a stepwise procedure before lab. It is not graded or worth any points. However, you cannot perform the lab without the procedure.
- You must complete the pre-lab assignment before lab. It is worth 10 points. It will be checked at the beginning of lab (for completion), and will be turned in for grading at the end of lab. You must show all calculations the space provided or on a separate piece of paper. No credit for late pre-labs.

#### **During lab**

- A lab quiz, worth 10 points, will be given at the beginning of lab. Quizzes will cover your knowledge of the experimental concepts and calculations. Some questions may be answered by referring to your written procedure, so prepare well for lab.
- Data/calculation page is worth 20 points and will be completed in lab, and turned in the same day. You must show your calculations.

Your final grade will be based on the results of your 12 of 13 best labs. There are **no makeup labs**. Each lab exercise is worth 40 points. There is no extra credit available.

**Final Evaluation**

grade	percentage	points needed
A	90-100%	432-480
B	80-89%	384-431
C	70-79%	336-383
D	60-69%	288-335

**LAB OUTLINE/CALENDER**

week of:	Activity
Jan. 23	Introduction and Lab Techniques
Jan. 30	Safety and The Densities of Liquids and Solids
Feb. 6	Heat Effects and Calorimetry
Feb. 13	How Much Sugar is in a Can of Coke?
Feb. 20	Identification of a Carbonate or Hydrogen Carbonate
Feb. 27	An Acid-Base Titration
Mar. 5	Which Alkali Metal Carbonate?
Mar. 12	no lab – Spring Break
Mar. 19	Beer's Law
Mar. 26	Alkaline Earth Metals and Halogens
Apr. 2	Qualitative Tests for Common Anions
Apr. 9	Identifying the 10 Unknowns
Apr. 16	Lewis Dot Structures and Molecular Bonding Theories
Apr. 23	Library Research Assignment
Apr. 30	Decomposition of Hydrogen Peroxide
May 7	lab check-out

**GENERAL COURSE POLICIES**

**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. Labs and lectures must be dropped simultaneously.

**If you miss a lab,** you may miss some discussion/handouts about the next period's experiment. You are responsible for getting this information from the instructor, another student or the Blackboard website *before* the next lab.

You will perform your own experiments. There will be no lab partners unless directed otherwise by the instructor.

ACC does not provide safety goggles for the lab. You must buy goggles prior to performing the first experiment. ANSI-approved goggles are stamped with Z87.

## 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>