Class Meetings

Classes begin on Monday, January 6 and end on Friday April, 25. Holidays are Monday, January 20 (MLK Day), and Monday through Friday, March 3 to 7 (Mid-Semester Break).

**Lectures:** Monday, Wednesday, and Friday, 10:05 – 10:55

**Recitations:** Wednesday, either 1:05 to 1:55, or 2:05 to 2:55, or 3:05 to 3:55 or 4:05 to 4:55.

First meeting is January 8.

**Labs:** Tuesday, either 12:05 to 2:55, or 3:05 to 5:55.

First Lab meeting is Tuesday January 14.

Instructor

Dr. William J. Baron

**Office:** 1-59A Boggs Bldg. (will be moving in early semester to Boggs 1-108)

**Phone:** 404-435-2808

**e-mail:** bill.baron@chemistry.gatech.edu

**Office Hours:** Monday, Wednesday, and Friday, 11:00 – 12:00 in Chem Annex 47 or by appointment

Teaching Assistants

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<tr>
<th>SECTION</th>
<th>NAME</th>
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<th>OFFICE HOURS</th>
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Required Course Materials

**Lecture Text:** *Chemistry: Science of Change, 4th Ed.*, by Oxtoby, Freeman, & Block.

**Lab Text:** *Laboratory Experiments for General Chemistry, 4th Ed.*, by Hunt, Block, & McElvey
Other Materials (GT bookstore)

- **Calculator** (+, -, *, /, ln, and log)
- **Key-controlled combination lock.** Locks can be purchased at the bookstore (must be "chemistry locks"). Used locks may be purchased (at a discount price) from the stockroom in the Chem Annex.

- **Safety glasses or goggles**
- **Lab Apron** (recommended)

- NOTE: You should maintain a balance of at least $30 on your BuzzCard so that you can pay for any fees you might incur in lab (breaking glassware, renting safety goggles, etc). Payment will be made at the Annex stockroom. **You will not be permitted to work in lab unless you are wearing safety glasses or goggles and closed shoes.**

Course Description

The course covers fundamental observations, laws, and theories of chemistry at the introductory level. Topics include atoms/molecules, stoichiometry, acids/bases, solutions, equilibria, gases, solids, liquids, thermodynamics, electrochemistry, kinetics, quantum theory, the periodic table, and chemical bonding.

Grading Policies

**Attendance:** Attendance is expected in lecture, required in laboratory and highly beneficial in recitation. Material on exams may be taken from assigned reading, homework, lecture material, or problems similar to those at the end of each chapter in the course text.

**Recitation:** The weekly recitation section is meant to give students a chance to ask questions and see sample problems worked. Each recitation section will be directed by a teaching assistant (TA) who is usually a chemistry graduate student.

**Exams:** Four closed-book exams will be given during the semester. The exam dates are **Friday,** January 24, **Wednesday** February 12, **Friday March 21,** and **Friday April 18.** Please see the course schedule for more details on Exam content.

**Final Exam:** A three-hour final exam will be given at the time and place determined for this course by standard Georgia Tech procedures. The final exam for this course is tentatively scheduled for Friday, **May 2 at 2:50 PM** in Room 16 CHEM Annex.

**Homework:** Homework problems will be assigned weekly and will be graded on a 0, 1,
2 basis. Many exam questions will be analogous to assigned homework problems, so working homework problems is an essential part of exam preparation. Assigned homework problems are taken from the textbook. It is OK for students to collaborate on homework, but each student should turn in their own homework in their own writing. Homework will be collected each week during.

Laboratory Grade: You must pass Laboratory to pass the overall course. Teaching Assistants will have the responsibility for establishing laboratory grades. Students are graded on pre-lab quizzes, formal lab reports, summary reports, report accuracy, lab technique and attitude, Lab Midterm exam, and Lab Final exam. A grade of 70% or better in the lab is considered passing. Grades between 60% and 65% will be considered, if documentation is provided for any extenuating circumstances.

Grade Changes: Re-grades of hour exams must be requested within one week of the date that the graded exams are returned to students. Only re-grades that could add four or more points to the score will be considered.

Make-up Exams: There will be no make-up exams. If a student has a valid excuse for missing an exam, his/her grade for that exam will be calculated from his/her performance on that part of the final exam that covers topics from the missed exam.

Honor Code: Students are expected to adhere to the Georgia Tech honor code during all aspects of this course (see http://www.honor.gatech.edu/ for details).

The basis for course grades will be as follows:

- Hour Exam 1: 5%
- Hour Exam 2: 10%
- Hour Exam 3: 15%
- Hour Exam 4: 15%
- Final Exam: 25%
- Homework: 10%
- Laboratory: 20%

Course Webpage

Information of interest to students will be posted on the course webpage:

http://www.chemistry.gatech.edu/class/1310/baron/
Students should consult the webpage at frequent intervals throughout the semester.