Instructor

Dr. William J. Baron

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Office Hours: Following course lecture, Monday, Wednesday, and Friday, 2:30 to 3:30 in Chem Annex 47 or by appointment

Class Meetings

Classes begin on Monday, May 12 and end on Friday July 25. The final course exam is tentatively scheduled the following week (see below). Holidays are Monday, May 26 (Memorial Day), and Friday July 4 (Independence Day)

Lectures: Monday, Wednesday, and Friday, 1:20 to 2:30 PM

Recitations: Sections E1 and E3, Thursdays 1:20 to 2:30 PM. First recitation meeting is May 15. Sections E2 and F1, Tuesdays 1:20 to 2:30 PM. First recitation meeting is May 13.

Labs: Sections E1 and E3, Tuesdays 12:00 to 3:40 PM. First lab meeting is May 20. Sections E2 and F1, Thursdays 12:00 to 3:40 PM. First lab meeting is May 22.

Teaching Assistants

<table>
<thead>
<tr>
<th>SECTION</th>
<th>NAME</th>
<th>LOCATION</th>
<th>OFFICE HOURS</th>
<th>E-MAIL</th>
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</thead>
<tbody>
<tr>
<td>E1</td>
<td>Avanti Gokhale</td>
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Required Course Materials


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

- **Calculator** (+, -, *, /, $e^x$, 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.** Available at the Bookstore. Used goggles available from the stockroom in the Chem Annex. Whenever experiments are performed, students are required to safety glasses (or goggles) and closed shoes while in the lab.
- **Lab Apron** (recommended). Available at the Bookstore. Used aprons from the stockroom in the Chem Annex. The best time to purchase most of the above is during the first week of the semester, before labs start.
- **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:** Three closed-book exams will be given during the semester. The exam dates are **Friday**, June 6, **Friday** June 27, and **Friday** July 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 **Tuesday, July 29 from 8:00 AM to 10:40 AM** in Room 16 College of Computing (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 recitation.

**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. At the beginning of the term, you will be asked to read and sign a pledge that laboratory reports and data gathering are your own, even when using partners.

**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/](http://www.honor.gatech.edu/) for details).

**The basis for course grades will be as follows:**

- Hour Exam 1 10%
- Hour Exam 2 15%
- Hour Exam 3 15%
- In-class Quizzes 5%
- 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.