Welcome to CHEM 102!

Chemistry 102 is the second semester course in the first-year chemistry sequence of the core curriculum. The lecture and laboratory are grouped together in one 4-credit course. Because chemistry is important to many fields, this is a very large course at Texas A&M. Although the large enrollment does place certain limitations on us, we in the First Year Chemistry Program are committed to providing you the help you need to learn the required material.

We try to make ourselves approachable both in and outside the classroom. Your laboratory Teaching Assistants and your Supplementary Instruction Instructor will also make every effort to help you learn Chemistry.

My scheduled office hours are listed above. I will be available other times but it is best if you make an appointment to be sure to avoid conflicts with other activities. Help and review sessions are listed on the course schedule. In addition there will be teaching assistants available most hours of the day in Room 116 HELD to answer both lab and lecture questions.

Information related to this course, i.e., syllabus, schedules, sample problems, course announcements, etc. can be found on the web. This course’s web pages can be accessed through www.chem.tamu.edu/class/fyp/fypintro.html, the TAMU Chemistry Department’s homepage then going on the First Year Program’s homepage or http://www.chem.tamu.edu, the TAMU Chemistry Department’s homepage - then going to courses and clicking on the First Year Chemistry Program. You will also be able to check your grades confidentially on the web (see instructions later in this syllabus).

Required Materials:
3) Lab notebook (8 1/2” x 11” duplicate “no carbon paper required”, perforated pages).
5) Calculators suitable for use on lecture exams may not have multi-line screen nor extensive memory.

Optional Materials:
2) Laboratory apron or a nonflammable lab coat. An apron or lab coat will be required in laboratory if your shorts or skirt do not cover your knees.

General Information: General Chemistry courses at the college level are traditionally surveys of chemical science, which is a large and ever expanding body of knowledge. This puts pressure on both instructor and students to compress the study of a considerable amount of material into a relatively short period of time.

Good study is an active process. Lecture attendance and reading the text is the best way to begin your study. The OWL homework provides an excellent grounding in the basic concepts. Suggested problems from the text will give you essential practice in applying these concepts. Study should be a daily activity. Do not fall behind – it will become overwhelming to attempt to catch up. Poor study habits will mean that one must spend even more time to accomplish the same objective that one would acquire with proper study techniques.

The exam and quiz questions will be based upon material from the text, lecture notes, handouts, and assigned homework problems/questions. The assigned chapters in the text, which should be read prior to class, detail the expected skills to be mastered.

Office Hours: My formal office hours will be in room 207 Cyclotron Institute, as listed above. If you need to see me at a different time you are welcome but it is useful to e-mail or phone to make sure I am available (845-1411)

Information Office and Help Desk: The Information Office is at Room 116 HELD. Hours are Monday - Friday 9:00-12:30 P.M. and Monday - Thursday 1:30-4:30 P.M. Questions can be answered there pertaining to your course records, homework, etc. A Help Desk will also be staffed in Room 116 during these same hours. Check outside of Room 116 for changes in the schedule.

Bulletin Boards: Special announcements (schedule changes, etc.) may be posted on the official bulletin boards (Rooms 200, 413, and 117).

You will also find useful information on the World Wide Web http://www.chem.tamu.edu/class/fyp/chem101.htm. It provides you with the ability to check your grades confidentially on the web. To do so, go our homepage under the First Year Chemistry Program. Input your password given in class (it is case sensitive) and click on “Look up my grades.” It should work
The web page includes many links to useful information and supplementary materials. It also includes some questions from previous 101 exams.

**Lecture Reading Assignments:** Lectures are designed to help you develop an understanding of the material being emphasized. To get the most out of lecture, one should always read the appropriate sections before they are discussed in class. The reading assignments are shown in the calendar that appears later in this handout.

**Lecture Attendance:** Students are required to attend the lectures in their registered section. Attendance will be checked periodically.

**Pop Quizzes in Lecture:** Five pop quizzes will be given in lecture during the semester. Your three best scores will be counted. Your score on the quizzes that are counted will contribute up to 45 points to your lecture total. The best three of five quiz scores will be used. Because of this flexibility and because quizzes are also a means of encouraging class attendance, make-up quizzes will not be given without an approved absence.

**Exams:** There will be three Lecture Exams given on the days indicated in the attached calendar. These exams are in addition to the POP QUIZZES and a FINAL EXAM and may have a combination of multiple-choice questions that will be machine-graded and non-multiple choice questions that will be hand-graded. Lab/recitation quizzes are described later.

Prior to the first lecture exam, purchase FOUR standard (8 1/2" x 11") gray scantron sheets (Form No. 0-101607-TAMU) from the bookstore and turn them in UNMARKED at the First Year Chemistry Information Office (Room 116 HELD) during posted hours. Do not write anything on them before you turn them in at Room 116. Samples of the correct scantron sheet are displayed on the bulletin boards.

**Lecture Exam Administration:**

(A) Check your exam seating assignment one day in advance. Each exam will have a different seating assignment. Seating assignments will be posted on the bulletin boards outside of Room 100 at least 24 hours in advance of the exam. A request for a left-handed seat should be submitted to Room 123 five days before the first exam.

(B) Arrive at the lecture exam on time. Do not bring unauthorized materials into the exam. Cheating or bringing in material with intent to cheat will result in a zero for the exam or a more severe penalty.

(D) Bring at least two #2 pencils, an eraser, and your TAMU ID card to the lecture exam. No one will be allowed to take the exam without their TAMU ID. Pencil sharpeners and calculators (with certain restrictions - see (E) below) may also be brought to the exam. There must be no "sharing" of calculators during an exam. Any other questionable items must be out of sight in a briefcase, pack, purse, or sack, and stored under your desk or, if not in a closed container, you must place them at the front or back of the room before you take your assigned seat.

(E) Students cannot use calculators that are programmable or have alphanumeric capabilities. Some of the acceptable and unacceptable calculators are listed on the bulletin boards. Any student attempting to use an unacceptable calculator will receive a zero for the exam.

(F) Follow the directions given to you as you enter the exam room. Do not write on the envelope or on the back of the scantron sheet. Failure to follow these directions may result in a withheld or zero grade. Note: Only answers recorded on the standard gray scantron sheet or other designated sheets will be graded.

(G) During the exam, keep all work covered as much as possible. Talking or looking around the room will result in a withheld grade for the exam.

(H) Work carefully, but you must finish in the allotted time; exams handed in late will not be accepted. Please remain seated quietly until asked to leave.

**Review Schedule:** Before each exam there will be a Review Session scheduled. These will be in Room 100 of Heldenfels if possible, but this may need to be changed. Additional reviews are scheduled as appropriate.

**Grade Calculation:** Grades will be calculated on the basis of total points earned.

<table>
<thead>
<tr>
<th>TOTAL LECTURE POINTS POSSIBLE:</th>
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</thead>
<tbody>
<tr>
<td>Homework *** (See Table Below)</td>
</tr>
<tr>
<td>Quizzes (best 3 of 5@15)</td>
</tr>
<tr>
<td>Exams (3 @ 110 points each)</td>
</tr>
<tr>
<td>Comprehensive Final</td>
</tr>
<tr>
<td>Total of Lecture Points</td>
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</tbody>
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**OWL Homework**

The OWL homework is a very important part of your learning agenda. It drills you in the basics. Because it is so important you can earn up to a total of 100 points just for doing it! This number of points is 14.8 % of total lecture points available and can make a major impact on your final grade!

Each individual OWL assignment will be graded on the scale shown in the table which follows. Note that if you do not do at least 50% of an assignment there is no credit received.
### LABORATORY

The Laboratory is separately graded on the basis of total labs, lab quizzes and lab final.

(See Laboratory Syllabus for breakdown. Note: For grade equity among sections, laboratory section averages will be adjusted to make the lab grade average of each section in the range of 80 to 86%. (No lab grade will be > 100%).)

### Final Course Grades

The final course grades is weighted so that your final course grade is 75% determined by your Lecture score and 25% by your Lab score. Thus, to determine your final total % score for the course we will multiply your lab % score by 0.25 and add it to 0.75 times your lecture % score.

Likely Grades In the past, typical minimum point scores required for the indicated course grade were:

- ~87% = an A
- ~74% = an B
- ~60% = an C
- ~51% = an D
- Less than 51% = an F

There is no reason to expect that the ranges will be greatly different this semester.

**Incomplete Grades:** Students with absences (excused or non-excused) who miss one or more exams without making up the missed exams should consult me. In particular, students who request a grade of "I" (Incomplete) and meet all university criteria for this temporary grade, must review the records, etc. with me before I will consider giving a grade of "I".

**Dishonesty:** Students are expected to be the sole source for any work submitted in their name. The utilization or submission of work of others is a violation of Texas A&M University scholastic dishonesty policies and disciplinary steps will be taken. Only authorized electronic or printed materials or equipment may be used in or near the classroom. As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research and knowledge cannot be safely communicated. If you have questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section "Scholastic Dishonesty."

### Copyright:
The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems or study sheets, in-class materials, review sheets, and additional problem sets, notes, etc. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission.

### Texas A&M Support Services for Students with Disabilities (845-1637):
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, temporary (e.g. broken arm) or permanent (including a learning disability), please contact the Department of Student Life, Services for Students with Disabilities in Rm 126 of the Koldus Bldg (Hours: 8am to 5:30 pm). If you have any questions, see me.

### Important Dates:

- **January 23**
  - Last day for dropping courses with no record.
- **March 8**
  - Mid-semester grades due in Registrar’s Office
- **March 15 - 19**
  - Monday - Friday. Spring break.
- **April 5**
  - Last day for all students to drop courses with no penalty (Q-drop).
- **April 9**
  - Friday. Reading day, no classes.
- **May 3**
  - Monday. Dead day, classes meet but no major exams.
- **May 4**
  - Tuesday. Last day of spring semester classes. Redefined day, students attend their Friday classes.
- **May 5 - 6**
  - Wednesday - Thursday. Reading day, no classes.
- **May 7, 10 - 12**
  - Friday, Monday - Wednesday. Spring semester final examinations for all students