CHEMISTRY 102

Sections 570- 580 Spring 2002

Lecture: Tuesdays & Thursdays
(11:10 to 12:25 Heldenfels Room 100)

Laboratory: (Once a week in rooms on the 4th floor of Heldenfels)

Instructor: M.L. Peck Office: 413 Heldenfels
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Chem 102 is the second semester of the first-year chemistry sequence in the core curriculum. Chem 102 is a 4-credit course. The outline of topics and activities for the lecture portion and the laboratory/recitation portion of these sections of Chem 102 are given later in this handout.

Sections 570 - 580 of Chem 102 are a part of a larger program. The First Year Chemistry Program and the Chemistry Department at Texas A&M University are committed to providing a meaningful course. Each grouping of sections of this course is independent of the other instructors' sections but we strive to cover common content, etc. The instructors strive to be approachable both inside and outside the classroom. My office hours are discussed below.

Feel free to call upon me when you need help. I will hold a review session before each exam. Other review sessions may be added later. For several hours each day, teaching assistants will be available in Heldenfels Room 123 to help you.

Information related to these sections of Chem 102 can be found on the web. I plan to have this syllabus, sample problems, information about me, course announcements, etc., on the web. The course's web pages can be accessed through the First Year Chemistry Program's homepage (www.chem.tamu.edu/class /fyp/fypintro.html) or indirectly by going to the TAMU Chemistry Department's homepage (http://www.chem.tamu.edu) then going to courses and clicking on the First Year Chemistry Program. You will be able to check your grades confidentially on the web (see instructions later in this syllabus).

Please let me know which of our efforts are most (or least) helpful and when I can be of further assistance.

COURSE POLICIES

I. **Required Materials:**

1) "General Chemistry", Whitten, Davis and Peck, 6th Edition, 2000.
2) "Experiences in Chemistry - II", L. Peck and V. Williamson, 2002
3) Lab notebook (8 1/2" x 11" alternating white and yellow, perforated pages).
4) Approved eye protection. University and Departmental Regulations require that splash-proof, chemical goggles be worn by everyone present any time any experimentation is being conducted or any time equipment or chemicals are being moved by anyone in the laboratory. (The Graduate Chemistry Fraternity will be at the labs the first week of lab to sell suitable goggles). Failure to wear goggles will result in expulsion from the laboratory for the experiment involved.

II. **Optional Materials:**

1) "Saunders Interactive General Chemistry CD-ROM", version 2.0 (or newer), Kotz and Vining, 1996
2) "Student Solutions Manual, General Chemistry", 6th Edition, Y. Tang and W. Keeney-Kennicutt, 2000
3) Calculator suitable for use on lecture exams. You cannot use a calculator which has a multi-line screen or extensive memory. (See later discussion.)
4) 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.
5) "ChemSkill Builder", version 6 (or newer), James D. Spain

III. **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.

IV. **Lecture Homework Assignments:** There will be a total of 4 assignments. Details will be distributed separately at another time.

Percentage of problems correctly completed and turned in on time.	<60%	60 –90%	>90%
Number of points added to your course total points	0	15	20

No homework will be accepted more than two class meetings after the due date.

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

VI. **Pop Quizzes in Lecture:** Pop quizzes will be given in lecture during the semester. Your eight best scores will be counted. Your score on the quizzes that are counted will contribute a maximum of 32 points to your possible lecture average. Most quizzes will involve cooperative efforts.

VII. **Exams:** There will be three Lecture Exams (Exams 1, 2 and 3) given on the days indicated in the attached calendar. These are in addition to the POP QUIZZES, a FINAL EXAM and MAKE-UP EXAMS. These exams 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.

(A) **Lecture Exams:** These are 65-minute exams given during the regular lecture times. Each exam is worth 100 points. Exam 1 will cover material through Section 16-6 of the textbook. Exams 2 and 3 will concentrate on material covered after the previous exam; however, one or more review questions may also be included. **You must bring your student ID to each exam.**

(B) **Final Lecture Exam:** The Final Exam in the lecture portion of this course will be a 110 minute, 200 point exam that may test on any materials covered during the semester. The scheduled time for the Final Exam is Friday, May 3 at 3:00 – 5:00. **You must bring your student ID to the Final Exam.**

(C) **Make-up Exams:** For students who have excused absences and who also notify me (the instructor) within one week of the missed exam, a make-up test will be arranged. Notification can be a telephone call to my office or a short e-mail message. The make-up exams will be at least as difficult as the regular exams.

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

LECTURE POINTS POSSIBLE:	
Homework	20
Exams (3 @ 100 points each)	300
Quizzes (best 8 @ 4 points each)	32
Comprehensive Final	200
Total of Lecture Points	552

LABORATORY POINTS POSSIBLE: (These points will be adjusted so that the lab average of each section will be between 80 and 86%.)

Reports (10 reports x 16 points each)	160
Quizzes (4 quizzes x 15 points each)	60
Final (written)	30
Total of Laboratory Points	250

(This is adjusted for class average, then multiplied by a factor (~0.74) so that the maximum Laboratory is 185 points.)

Course Point Totals = (Total of Lecture Points) + (Total of Laboratory Points after adjustment) = 552 + 185 or 737 possible.

Likely Grades (The range of each letter grade will be assigned at the end of the semester.) In the past, typical grade ranges were:

640 (~87%) and greater points = an A,
639 to 545 points (~74%) = a B,
544 to 445 points (~60%) = a C,
445 to 380 points (~51%) = a D,
fewer than 380 points = an F

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

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 the grade of "I".

IX. **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.

(B) 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 at the First Year Chemistry Information Office (Room 123 HELD) during posted hours. **Do not write anything on them before you turn them in at Room 123.** Samples of the correct scantron sheet are displayed on the bulletin boards.

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

(D) Bring at least two sharpened #2 pencils, an eraser, and your TAMU ID card to the lecture exam. 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 can **NOT** 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.

X. **Dishonesty:** A student is expected to be the sole source of any work submitted under his 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. If you have questions regarding plagiarism, please consult the latest issue of the *Texas A&M University Student Rules*, under the section "Scholastic Dishonesty."

XI. **Copyright:** All handouts used in this course are copyrighted. By "handouts," I mean 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.

XII. **Information Office and Help Desk:** The Information Office is at Room 123 HELD. Office Hours are Monday - Friday 9:30-12:30 P.M. and Monday - Thursday 1:30-4:30 P.M. Questions can be answered there pertaining to your course records, homework, etc. This is also where you turn in your scantron sheets. A Help Desk will also be staffed in Room 123 during these same hours. Check outside of Room 123 for changes in the schedule.

XIII. **Bulletin Boards:** Special announcements (schedule changes, etc.) will be posted on the official bulletin boards (Rooms 100, 413, and 117)

XIV. **Grade Information via the Web:**
(http://www.chem.tamu.edu/class/fyp/fypintro.html) On the web page for our section (see directions on page one of this syllabus) you will find instructions for use of the TAMU Messaging System. Go to "Look up my Grades" and type in your password. Your password will be given to you in class. If you are unable to take it from there, we will give modified directions during one of our lecture times.

XV. **Review Schedule:** In addition to the regular SI sessions, I will conduct Review Sessions before each exam. They are currently scheduled on 2/5 (Tue) at 7:00 p.m., 3/5 (Tue) at 7:00 p.m., 4/11 (Thur) at 7:00 p.m. and 5/1 (Wed) at 10:00 a.m. Each of these will be in Room 100 of Heldenfels. Other review sessions may be arranged for other dates and times. Times and rooms for review sessions may need to be changed.

XVI. **Office Hours:** An office hour will be held after nearly every lecture. Additional office hours will be added when other aspects of my schedule are better known.

XVII. **Final Lecture Exam Schedule:** Our final lecture exam is scheduled for Friday, May 3 from 3:00 to 5:00 in Room 100 Heldenfels. Please do not expect to take the final exam at any time other than its scheduled time.

XVIII. **The Americans With Disabilities Act** requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation for their disability. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building or call 845-1637.

XIX. **Important Dates:**

Jan. 17:	Last day to drop a course with no record.
Jan. 18:	Beginning of Q drop.
	Last day to add a class/change sections.
Jan. 21:	holiday - - Martin Luther King, Jr. Day
Feb. 28:	Midsemester Grades Due in Chemistry Department
Mar. 11-15:	holiday - - Spring Break
April 2:	Last day to Q drop a course.
April. 22-26:	Course Evaluations
April 29:	Dead Day
April 30:	Re-defined Day (FRIDAY CLASSES)
May 1 & 2:	Reading Days (No Classes)
May 3:	Final Lecture Exam for Sections 570 - 580 is from 3:00 – 5:00 pm in Room 100 Heldenfels.