SYLLABUS -- Fall 2010
General Chemistry II CH EM 1442-001 Lecture

Time and Place: MWF 10:00 – 10:50 AM, Room 100 SH (Science Hall)

Instructor: Professor Z. A. Schelly, Room 356 CPB (Chemistry & Physics Bldg.)
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Office hours: After class, by e-mail, by appointment, or drop-in.


Course Prerequisites: A grade “C” or above received in CHEM 1441 is the pre-requisite for this course. To receive credit for CHEM 1442, you must also be concurrently enrolled in a CHEM 1442 Lab. This course is intended for science majors. Students pursuing a career in nursing should take CHEM 1451 instead of this course. Students who are not science or engineering majors should take CHEM 1445 and CHEM 1446 instead of CHEM 1441 and CHEM 1442.

Tentative Schedule: The following represents a tentative schedule of lecture and examination material. The exact dates of the exams will be announced in class the week before each exam. Note that the Comprehensive Final Exam is fixed, scheduled for Monday (Dec 13) 8 – 10:30 AM. You are responsible for all announcements made in class even if you might not be present.

[Please Note: Classroom announcements are the official communication route for this course. I do not respond to e-mail queries concerning exam dates or material to be covered in a given exam, as these items are noted explicitly in class.]

In-class Test 1 Section 10.2, Chapters 11, 12
In-class Test 2 Chapters 13, 14, 15
In-class Test 3 Chapters 16, 17, and Sections 4.6-4.12
Final Exam (comprehensive) All of the above, plus Chapter 22

Important Dates:
Aug 27 First class
Sep 6 Labor Day
Sep 13 Census date
Nov 5 Last day to drop course
Nov 25-28 Thanksgiving Holidays
Dec 10 Last class
Dec 13 Comprehensive Final Exam: Monday, Dec13, 8-.10:30 AM

Homework assignments (automatic): Problems worked out in class, in the text, and listed at the end of each Chapter. Exam questions will be similar to, or occasionally identical with, such problems. Homework will not be collected, corrected, or graded.
Grading: 

Lab Average 25%
3 in-class tests 40%
Comprehensive Final 35% Monday, Dec13, 8.-10:30 AM

Grades will be assigned according to the following scale:

<table>
<thead>
<tr>
<th>Total Numerical Grade</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>88-100</td>
<td>A</td>
</tr>
<tr>
<td>76-87</td>
<td>B</td>
</tr>
<tr>
<td>65-75</td>
<td>C</td>
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<tr>
<td>55-65</td>
<td>D</td>
</tr>
<tr>
<td>Below 55</td>
<td>F</td>
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Grades will not be curved. No make-up exams will be given, and any missed exams will result in a score of zero. However, the final exam score will replace the lowest in-class test score, if it is to the student's benefit. There will be no extra credit assignments in this course.

Examination Needs: You must bring the following to each examination:
1) Scientific Calculator (You may not use a graphing calculator or a calculator capable of storing alpha-numeric/textual material.)
2) No. 2 pencils and soft eraser
3) Scantron Answer Sheet No. 4521 (available at the UTA Bookstore)
4) UTA Student ID Card

Students are not allowed to have access to cell phones or digital pagers during any exam.

Dropping the Course: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

Paperwork: When dropping the course, you are responsible for seeing that all of the proper paperwork is completed and submitted to the appropriate university officials. If this paperwork is not completed, you will receive a letter grade corresponding to your earned grade, including zeros for all missed work.

Cell Phones and Pagers: Please silence all cell phones and pagers prior to class. Text-messaging during class and tests is not allowed.
Course Goals: Upon completing the course, the student should understand fundamental chemical concepts, including solution properties, chemical kinetics, chemical equilibrium, thermodynamics, electrochemistry, and nuclear chemistry.

Chemistry assistance:

Student Support Services Available: UTA provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit www.uta.edu/resources for more information.

Chemistry Clinic: The Chemistry Clinic, located in Room 219 Science Hall, is staffed with tutors available to answer your questions related to lecture and homework. Hours of the Chemistry Clinic is announced on the door of Room 219 SH. This service is free for students enrolled in Chemistry 1442. Science Education and Career Center, located in Room 105 of the Life Science Building, provides a variety of materials for assisting Chemistry students, including old exams. SOAR Cost Share Tutoring: SOAR (Students Obtaining Academic Readiness) is located in 132 Hammond Hall and offers free academic support for qualifying students and low-cost services for all students, including Cost Share Tutoring.

E-mail System: Check your "MavMail" at least twice daily because it is the university's exclusive official method of communicating to you important messages (deadlines, registration, financial aid, payment of bills, etc.).

Strategies for Succeeding in Chemistry 1442:

1) Attend every lecture. A very strong correlation exists between attendance and success in Chemistry 1442. Because the topics covered in this course build on each other, missing even one class can mean the difference between success and failure in the course.
2) Prior to class, read the chapter that will be covered in lecture.
3) Review your lecture notes after each class. Correct obvious errors and note topics which require further study or clarification.
4) Work all of the suggested homework problems. Do not look in the solutions manual until you have given your best effort to solve the problem on your own. Practice the problems that you could not solve until you could solve them without solutions. This is one of the most important strategies that you could do to prepare for exams.
5) Use practice tests available from the Science Education and Career Center.
6) Spend the necessary amount of time studying chemistry. The rule of thumb for succeeding in Chemistry is at least 3 hours of study for every lecture. Since we have three lectures per week, this means that at a minimum you should study Chemistry 10 hours each week.
7) Do not procrastinate. These concepts take time to sink in, and you may have to practice the exercises over a period of many days in order master the necessary skills.
8) Form a study group. This is your first avenue for getting help. Be able to communicate with each other on short notice, not just before class.

**Academic Integrity:** It is the philosophy of UTA that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. According to the UT System Regents’ Rule 50101, §2.2, "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

Examples of academic dishonesty include:
- exchanging answers or information during a test or quiz
- looking at another student’s paper during a test or quiz
- bringing notes in any form into the test or quiz, including written notes (crib sheets), digitally stored information (including formulas, constants, alpha-numeric material or text), or notes stored in any other medium
- looking at a book or other unauthorized source during the quiz or test

During tests or quizzes, students are not allowed to use any hand-held calculators or computers which possess the capability of storing alpha-numeric or textual material. If the instructor allows the use of calculators on a particular test, then students may only use scientific calculators which are non-programmable. In addition, students are not allowed to have access to cell phones or digital pagers during any test or quiz. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

**Americans with Disabilities Act:** UTA is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA).* All instructors at UTA are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at 817-272-3364.

**Bomb Threats:** In the event of a bomb threat to a specific facility, University Police will evaluate the threat. If required, exams may be moved to an alternate location, but exams will not be postponed. UTA will prosecute those phoning in bomb threats to the fullest extent of the law.