

Course Syllabus Spring 2014

Chemistry 102: General Chemistry Tutorial II (1 Credit Hour)

Section 001: Wednesday 1:00-1:50 p.m. STC 135

Section 002: Wednesday 8:00 – 8:50 a.m. STC 135

Section 003: Monday 1-1:50 p.m. STC 135

Section 005: Monday 8:00-8:50 a.m. STC 135

Faculty contact:

Instructor: Mrs. Olga Savina

Email Address: olgasavina2010@gmail.com

Phone: 813-347-0286

Office location:

Office Hours:

Required Text and Resources:

Text: *General Chemistry*, 9th Edition, Houghton Mifflin Company, by Ebbing / 10th Edition, Houghton Mifflin Company, by Ebbing.

Supplies: Non-programmable Calculator (bring to class)

Course Description: The course will be cover and act as a support to understand the fundamental chemistry topics including chemical reaction rates, chemical equilibrium, acid-base chemistry, solubility, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry, inorganic chemistry and biochemistry.

Course Outcome: Use LeChatelier's principle to predict the effects of concentration, pressure and temperature changes on equilibrium mixtures. Balance Oxidation-Reduction reaction. Write simple structures of the organic compound and name the compound.

Class Procedure:

The intent of the course is for you to work in small groups to complete the lesson for that day. You will be required to work in groups of 3-4 students. Groups of less than 3 students or more than 4 students will not be allowed. I may change the groups periodically. You are expected to work together as a team to answer the questions posed in the lesson. Thus, you are highly encouraged and expected to discuss, with your group members, the lesson and the answers to the questions posed. The instructor for the course is not present to answer the questions for you. Rather, the instructor is present to guide you in your learning efforts. This has proven to be an effective way to learn Chemistry; we will be using methods similar to a National Science Foundation sponsored program called POGIL (Process Oriented Guided Inquiry Learning, www.pogil.org).

Communication: If the faculty needs to contact an individual student, it will be via the student's e-mail account. Students should check e-mail frequently, especially after absence. E-mail is the best, easiest and fastest way to communicate with me since I check my email daily.

Grading/Evaluation:

The grade for this course will be derived as follows:

Quizzes	50 %
Attendance and participation in class	50 %

Quizzes: There will be quizzes, which will be 50 % of the overall class grade. Each week we might have announced or unannounced quizzes, which will be given at the class. The lowest quiz score will be dropped. There will be no makeup quizzes. Quizzes may cover lecture and homework material.

Attendance and participation in class:

Your attendance grade is not based on you simply showing up to class. To receive attendance for the class period you must meet the following requirements:

1. You cannot be more than 5 minutes late to class. Missing more than 5 minutes of class time will equate to a non-attendance for that day.
2. You must participate in the class or group discussion. Non-participation will equate to a non-attendance for that day.
3. Disorderly conduct will equate to a non-attendance for that day.
4. Your group must work diligently to complete the lesson for that day. If your group does not work diligently to complete the lesson you will receive a non-attendance for that day.
5. You may not work on material from another class. If you do, you will receive a non-attendance for that day.

There will be absolutely no make-ups for missed class attendance. If you fail to sign the attendance sheet for a class period, you will be counted as absent even if you were in class that day; the sign-in sheet is the official record of your attendance in class.

Grading will be based on a scale: 100-90 = A; 89-80 = B; 79-70 = C; 69-60 = D; 59-below = F. Dishonest scholarship will earn an automatic zero (0) and initiate prosecution to the fullest extent. Incomplete grades may be given only if the student has a current average $\geq 70\%$ and is precluded from completion of the course by a documented illness or family crisis.

Class attendance policy: All students are expected to attend class on a regular basis and attendance will be recorded. The Department of Chemistry adheres to the attendance policy set by the University as stated in the most current Undergraduate Catalog. Being late by more than 5 minutes is equivalent to missing a class period. Excessive absence is defined as missing more than 10% of the class periods without excusable reasons. Excessive absence will be reported to the Dean of the College and the Dean of Students. In addition, according to the TAMU-Commerce Procedure A13.02., good class attendance will be necessary in order to pass the course. If you have excessive absences, you may be dropped from the course.

Class Room Behavior: All students shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment (See Student's Guide Book, Policies and Procedures, Conduct). Students are required to turn off all cell phones, MP3 players, PDA's, and any other electronic devices before entering the class or in the laboratory. If the student's failed to comply with the code of conduct and being disrespectful, disruptive to the instructor or the students of the class, the instructor reserves the right to dismiss the student from the class on the first offense. A second offense may constitute dismissal from the course with a failing grade.

Academic Integrity and Dishonesty Policy:

All students are expected to pursue their scholastic careers with honesty and integrity. Academic dishonesty includes (but is not limited to) cheating, falsification of data, plagiarism, and contracting/collusion with others to take your tests or do your work. Disciplinary action will be pursued in all instances in which it is determined that academic dishonesty has occurred. Disciplinary action may include but is not limited to:

1. Assignment of a failing grade for a test, examination, or assignment;
2. Assignment of a failing grade for a course;
3. Student disciplinary sanction.

ADA Eligible Students:

Students requesting accommodations for disabilities must make arrangements through the Disability Resources & Services office. For more information, please contact Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library Room 132, Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148 StudentDisabilityServices@tamuc.edu. ADA eligible students should make arrangements with the instructor in the first week of the semester regarding special arrangements needed for classroom or testing facilities and procedures to accommodate the disability.

Tentative Tutorial Calendar

Week Starting	Chapter	Topics
1/13-1/17		Syllabus and Policy
1/20-1/24	Chapters 12/13	Solutions/Rates of Reaction
1/27-1/31	Chapters 13/14	Rates of Reaction/Chemical Equilibrium
2/1-2/7	Chapter 14	Chemical Equilibrium
2/10-2/14	Chapter 14/15	Quiz 1 (Chapter 12-14)/Acids and Bases
2/17-2/21	Chapters 15/16	Acids and Bases /Acid-Base Equilibria
2/24-2/28	Chapter 16	Acid-Base Equilibria
3/3-3/7	Chapter 17	Solubility and Complex-Ion Equilibria
3/17-3/21	Chapter 18	Quiz 2 (Chapter 15-17)/Thermodynamics and Equilibrium
3/24-3/28	Chapter 18/19	Equilibrium/Electrochemistry
3/31-4/4	Chapter 19	Electrochemistry
4/7-4/11	Chapter 19	Electrochemistry
4/14-4/18	Chapters 23	Quiz 3 (Chapter 18-19)/Organic Chemistry
4/21-4/25	Chapters 23	Organic Chemistry
4/28-5/2	Chapters 20/Chapters 21-22	Nuclear Chemistry/Main Group and Transition Elements(handout) / Quiz 4 (Chapter 20-23)
5/10	Final Quiz	Covers chapters 12-23

Note: This is a tentative syllabus. Instructor keeps the right to make any changes of the document.