General Chemistry Tutorial II
CHEM- 102-001

Faculty: Dr. Tasneem Hossain
Office Location: STC 302
Office Phone: 903-886-5399
Office Hours: TR 11.00- 11.30 AM and by appointment
Email: Tasneem.Hossain-Kumar@tamuc.edu

1 Credit Hr.
102-001: M 1.00 PM – 1.50 PM STC123

Text/ Manual and other required material:

- **Text**: General Chemistry, 10 th 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 atomic and molecular structure, chemical formulas, chemical reactions, chemical equations, thermochemistry, quantum theory, electron configurations, periodicity, chemical bonding, states of gases, states of matter and solutions.

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 are made 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.

Course Requirements:

1. ***Quiz*:** Quizzes will be given throughout the semester. 50% of quiz grade will make up the 100 % of tutorial grade. **No make-up Quiz**. Lowest quiz grade will be dropped. Quizzes will be based on the problem sets given in the tutorial class to work in a group.

2. ***Attendance and Class Participation:*** Class attendance and class work is required to pass the course because it is 50% part of your final grade, so you should attend each class and participate in class work.

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.

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 group work using the problem set provided in the class. 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 problem set for that day. If your group does not work diligently to complete the problem set you will receive a non-attendance for that day.

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 lectures 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.

Methods of Student Evaluation and Grading Scale: Quiz (15 min) and class work (working on the problem sets) and attendance will evaluate Students. Quizzes (50 %) and attendance and class work (50 %) will constitute the final grade. The grade is based on a weighted average.

The grade scale will be A= (86.0 - 100%), B = (85.0 – 73 %), C = (72 - 60%), D = (59 - 45%), F = <45 %.

Class: Students are required to turn off all cell phones, MP3 players, PDA's, Pagers, and any other electronic devices before entering the class or in the laboratory. Students are expected to comply with the student code of conduct as stated Student's Guidebook, Policies and Procedures, Conduct. 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 date, plagiarism, and contracting/collusion with others to take your tests or do your work. Cheating is the use or acquisition of information (data, constants, formulas, textual material, etc.) from either unauthorized sources or in an unauthorized manner.

Examples include but are not limited to: -

- Exchanging information during a test or quiz
- Looking at another student's paper during a test or quiz
- Bringing information in any forms into a test or quizzes other than personal knowledge. This includes written notes (crib sheets) and digitally stored information (formulas, constants, textual, etc.) on calculators, cell phones, pagers etc.
- Looking at a book or other unauthorized source during the test or quiz.

- Accessing information by any electronic means (cellular phone, pagers, personal stereos, etc.)
- Processing data or information in an unauthorized manner using a programmable calculator or computer. In other words, unless you have received authorization, you are not to use any computer program. This includes specialty computers or calculators in which the programming is built in to the computer; you are permitted to use simple calculators, which perform arithmetical, Logarithmic, and trigonometric functions.

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:

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

Students with Disabilities: 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 have a disability requiring an accommodation, please contact:

- Office of Student Disability Resources and Services Texas A&M University-Commerce Halladay Student Services BuildingRoom 303 A/DPhone (903) 886-5150 or (903) 886-5835Fax (903) 468-8148 StudentDisabilityServices@tamu-commerce.edu

Student Withdrawal: It is the student's responsibility to withdraw from class if so desired. However, the instructor reserves the right to administratively withdraw any student who is not actively fulfilling the objectives of the course before the final.

Recommended HW problems and examples
Chap. 12: 47, 49, 53, 55, 57, 69
Chap. 13: 43,45,46,51,55,63,77
Chap. 14: 35, 43,51,65,73
Chap. 15: 36,51,53,59,67,79
Chap. 16: 33,35,38,50,52,75
Chap. 17: 27,29,37,41,47,59,61
Chap. 18: 31,35,37,41,55,59
Chap. 19: 35,37,49,54,57,63,66,78,82,86
Chap. 20: 19,33,35,37,39,41,43
Chap. 23: 27, 37, 38,39

Tentative Tutorial Schedule
CHEM-101-003/004

Week	Date	Monday- Wednesday Lecture
1	Monday 7/7/14	Class Syllabus, Policy and Online homework **Homework Problems (Book)**
2	Monday 7/14/14	**Homework Problems (Book)**
3	Monday 7/21/14	**Homework Problems (Book)**
4	Monday 7/28/14	**Homework Problems (Book)**
5	Monday 8/4/14	**Homework Problems (Book)**

Note: Instructor keeps the right to make any changes of the syllabus.