TEXAS A&M UNIVERSITY - CORPUS CHRISTI
Department of Physical and Environmental Sciences
Fall 2011
General Chemistry I
CHEM. 1311.003 (3 sem hrs)
Time: TR 12:30-1:45
Location: ST 104
Prerequisite: none

Instructor Information:
Dr. Feri Billiot
Office: 130D Center for Science
Telephone: 825-6067
E-mail: fereshteh.billiot@tamucc.edu
Office Hours: TR 8-9:30& 2-3 pm, or by appointment

Class Website:
Most announcements, forms, handouts, lecture notes, learning materials will be posted on blackboard and you will be able to login using your student ID and Password.

Course Description: General Chemistry is the foundation course in chemistry for all science majors. This course will provide a basic understanding of chemical concepts such as periodic properties, structure, bonding, thermodynamics, and chemical kinetics. The laboratory is intended to help students acquire important knowledge and techniques of modern organic chemistry as well as developing lab skills in organic synthesis. This is a full semester course with huge study materials in a very condensed manner, and students need to work very hard on a regular basis to achieve the desired level of success.

Student Learning Outcomes:
The overall objective is for the student to master basic chemistry concepts such as:
• Nomenclature
• Balancing chemical equations
• Periodic behavior of elements
• Stoichiometric calculations
The secondary objectives of this course are to increase the students’ knowledge of the involvement of chemistry in everyday life, prepare the students for organic and upper level chemistry courses, and involve the students in critical thinking exercises through course assignments.

Required or Recommended Readings-Textbook
Scientific Calculator (Required)
Major Course Requirements:
There will also be three regular exams and a final exam. The regular exams will cover the material that has been covered in class by that time and final is comprehensive. The average of the four exam grades will determine the lecture grade. Final letter grading for the lecture course will be as follows: A; 90%, B; 80%, C; 70%, D; 60%, F < 60%.

Grade:
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<tr>
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<tbody>
<tr>
<td>Regular Exams</td>
<td>3@100</td>
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<tr>
<td>Final Exam</td>
<td>1@100</td>
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<td>Total Grade</td>
<td>400</td>
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Class Attendance: I expect students to attend every class meeting.

Make-up Exams: Students with a university approved scheduled absence (athletics, military duty, etc.) MUST contact the instructor in advance of the scheduled absence. Exams may be taken early in those specific cases. Students who do not arrange to take exams ahead of time will not be eligible for this special consideration. A written excuse from the university department involved or the Office of the Dean of Students is required. Exam taken outside class will not be multiple choice and it will not include any bonus points. Bring your university picture ID to all lecture exams.

- **No student is admitted to the exam after the first exam-taker has left.**

Use of Electronic Devices during Exam: Any use of an electronic device (PDA, Cell Phone, MP3 player, CD player, computer …) during an exam is strictly prohibited. Any use of such a device will be considered an attempt to cheat on the exam and will result in a grade of zero on the exam. In addition, more severe actions may also be considered. Calculators may be allowed on exams when needed, but only for mathematical operations. The use of programmable calculators to store or retrieve information during an exam will be considered an attempt to cheat on the exam. Also, if a calculator is discovered to have saved programs or information that could be used as an unfair advantage on the exam, this will be considered an attempt to cheat on the exam.

Course Tutoring: You can find information regarding the Tutoring at: http://casa.tamucc.edu.

Students with Disabilities: The Students With Disabilities Center is located in the Student Services Center (round building: 825-5816). Should you need special consideration for exams and/or class activities (special microphones, additional time for exams, enlarged exams, etc.), please contact this center. The university will provide assistance as needed, but **you** must contact the center to make arrangements. The instructor cannot make modifications without the center’s involvement. Should you have mobility problems, please notify the instructor and TA so that they may seek assistance for you in the case of fire drills or emergencies.

Class Standards: The student is expected to be on time and attend every class. If absent, it is the responsibility of the student to obtain missed information from a classmate.
Missed information includes not only lecture notes, but also any possible information regarding syllabus changes. The student is expected to arrive on time prepared to take notes.

**Before you enter the lecture hall turn OFF your cellular phone! Beepers must also be turned off or put on silent mode. Electronic interruptions absolutely will NOT be tolerated!**

**Class Conduct:** All students are expected to follow proper classroom behavior and treat the other students and the instructor with respect. If a student’s actions or behavior is deemed disruptive to the class by the instructor, the students will be asked to leave the class for that day.

**Academic Integrity and Honesty:** All students are expected to conform to college-level standards of ethics, academic integrity, and academic honesty. By enrolling in this course, you agree to be bound by the Regulations and Procedures published in the TAMU-CC STUDENT HANDBOOK. Group interactions, investigations, and studying are encouraged; however, duplicative work will be treated as cheating and will receive a grade of zero. Anything that is viewed as cheating on an exam will be given the most severe penalty possible, most likely an "F" for the course, but may include more severe punishments.

**Lecture Schedule:**

The schedule below is a *preliminary* outline of the semester. It is your responsibility to keep up with changes to this schedule. The reading and problem assignments that will be assigned in class should be completed before the next class meeting. Failure to stay current on reading and problem assignments will greatly affect your ability to keep up during lecture and, therefore, will have an indirect effect on your grade in this course.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Topic</th>
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<tbody>
<tr>
<td>August 22</td>
<td>Chapter 1</td>
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<tr>
<td>August 29</td>
<td>Chapter 2, The Components of Matter</td>
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<td>September 5</td>
<td>Chapter 7, Atomic Structure</td>
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<td>September 12</td>
<td>Chapter 8, Electron Configuration</td>
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<td>September 19</td>
<td>Chapter 3, stoichiometry</td>
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<td><strong>September 26</strong></td>
<td><strong>Review and Exam I</strong></td>
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<td>October 3</td>
<td>Chapter 9, Models of Chemical Bonding</td>
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<td>October 10</td>
<td>Chapter 10, The Shapes of Molecules</td>
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<td><strong>October 17</strong></td>
<td><strong>Review and Exam II</strong></td>
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<td>October 24</td>
<td>Chapter 11, Covalent Bonding</td>
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<td>October 31</td>
<td>Chapter 5, Gasses</td>
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<td><strong>November 7</strong></td>
<td><strong>Review and Exam II</strong></td>
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<td>November 14</td>
<td>Chapter 4, Chemical Reaction</td>
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<td><strong>November 21</strong></td>
<td><strong>Review and Exam II</strong></td>
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<td>November 28</td>
<td>Chapter 6 Thermochemistry</td>
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<td><strong>December 5</strong></td>
<td><strong>Review for Final Exam</strong></td>
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Exam Schedule
Exam I September 29
Exam II October 20
Exam III November 17

Final Exam December 13, 11 am

ACADEMIC ADVISING: The College of Science and Technology requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center is located in Faculty Center room 178. Please choose the advisor who corresponds to your major (or potential major). Contact your advisor directly, or call Tracey Ramirez at (361) 825-6094, to schedule an appointment. Walk-in times may be available at especially busy times of the year (such as the start of a semester). Please call the Advising Center to check availability and ensure a minimal wait.

Ronnie Emanuel
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Biology MS
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(undergraduate & graduate)

Undecided S&T Students

Grade Appeal Process. As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete
details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at http://www.tamucc.edu/provost/university_rules/index.html. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

In choosing to take this course, you are agreeing to abide by the course rules, regulations, and standards. This includes agreeing to be respectful to your instructor and fellow students. Conduct that is disruptive or disrespectful will not be tolerated and is grounds for dismissal from the class. Should you have concerns or questions, you are to discuss them with the instructor as soon as possible. However, you are bound by these rules, regulations, and standards from the first day of class through the duration of the course.