Instructor Information:

Instructor: Dr. Jim Silliman  
Office: 120 Harte Research Institute  
Telephone: 825-3718  
E-mail: james.silliman@tamucc.edu  
Office Hours: TR 3:00-5:30PM or by appointment

Course Description: Introductory Chemistry is an applied chemistry course designed for non-science majors. This course will provide a basic understanding of chemical concepts such as periodic properties, structure and bonding and relate them to important concepts in society.

Student Learning Outcomes: The overall objective is for the student to apply basic chemistry to topics such as:

- Climate change  
- Ozone hole formation  
- Acid rain  
- Plastics: production & waste

The secondary objectives of this course are to increase the student’s knowledge of involvement of chemistry in everyday life and involve the students in critical thinking exercises through course assignments.

Textbook: Chemistry in Context, Applying Chemistry to Society, by Middlecamp, Keller, Anderson, Bentley, Cann & Ellis 2012, Seventh Ed. (Recommended)

Course Evaluation: The average of 4 exam grades (including the final), quizzes and a group project will determine the lecture grade. There will be regular homework assignments from each chapter during the semester. You must do the homework problems in order to perform well on exams and quizzes. Four 100-point exams, usually covering 2-3 chapters, are planned. The final exam is on Tuesday, December 17. Final letter grades for the lecture course will be assigned as follows: A: 90%, B: 80%, C: 70%, D: 60%, F: < 60%. When justified by the exam statistics and item analysis data, “curve” points may sometimes be added to every student’s final course average, “curving” grades up. Grades will never be “curved” down.

Supplies: Scientific Calculator (Recommended).
Course Grade:
4 Exams  400
Quizzes   50
Group Project  50
Total Points  500

Make-up Exams: There will be no make-up exams for this class. If you miss one lecture exam, your final exam grade will be counted twice to replace the missed exam. This applies to ONE exam only. If you miss more than one, you will receive a zero for the additional missed exam(s). For those students who do not miss an exam, your final exam grade will be counted twice to replace your lowest exam grade (assuming that this improves your overall grade). Do not show up late to an exam, no student will be admitted to an exam after the first exam-taker has left.

Make-up Quizzes: There will be no make-up quizzes for this class. All quizzes will be given on Thursdays. Quizzes will reflect problems from your latest homework assignments and notes.

Tutoring and Test-Taking Strategies: To be successful in this course, and most others, you must develop good note-taking skills, organization skills, study habits, and test-taking strategies from the very beginning. Your instructor and tutors are always available for help, but don’t wait until it’s too late! It is important that you are aware that the Center for Academic Student Achievement in the Glasscock Center provides free tutoring, test-taking strategies, and extra help. Take advantage of this service! Should you have test anxiety, stress problems, or need help with study skills, the University Counseling Center (Driftwood 107: 825-2703) also provides a free service.

Students with Disabilities: Disability Services is located in Driftwood 101 (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 office. The university will provide assistance as needed, but you must contact Disability Services to make arrangements. The instructor cannot make modifications without their 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.

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 believe you have a disability requiring an accommodation, please call or visit Disability Services.
If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance.

**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 and work on in-class problems with pen or pencil, paper, calculator and colored markers/pencils.

**Before you enter the lecture hall turn OFF your cell phone! Beepers must also be turned off or put on silent mode. Electronic interruptions 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 student 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 CODE OF CONDUCT. 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.

**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 instructors 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 the class throughout the duration of the course.**

**Use of Electronic Devices during Exam:** Any use of an electronic device (palm pilot, 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 0 on the exam although more severe actions may 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. Programs or operators that aid in mathematical operations such as a quadratic equation calculator may be used.

**Assigned Homework:** The homework assignment for this class contains the minimum suggested amount of problems that you should work during the semester. The more problems you work, the more comfortable you will be with the subject….**DO NOT GET BEHIND.**

**Academic Advising:** The College of Science & 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 Driftwood 203E, and can be reached at 825-3466.

**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](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.

**Class Blackboard Page:** Most announcements, forms, handouts, lecture notes, learning materials etc. are either handed out in class and/or posted on blackboard. You will be able to login using your assigned Username and Password.

**Lecture Schedule:** The following schedule is a preliminary outline of the semester. It is your responsibility to keep up with changes made to this schedule. Failure to stay current on reading and problem assignments will greatly affect your ability to keep up during lecture and, therefore, will have a damaging affect on your grade in this course.
## Tentative Schedule:

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<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>CHAPTER</th>
<th>EXAM</th>
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<tbody>
<tr>
<td>R 9/05</td>
<td>The Air We Breathe</td>
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<tr>
<td>T 9/10 &amp; R 9/12</td>
<td>The Air We Breathe</td>
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<td>The Chemistry of Climate Change</td>
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<td>Exam 2: Ch. 3&amp;4</td>
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<td>The Water for Life</td>
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<td>Neutralizing Acid Rain</td>
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<td>6</td>
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<td>The World of Polymers</td>
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<td>Presentation of Group Projects</td>
<td>Gr. Projects</td>
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<td>The World of Polymers</td>
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<tr>
<td>T 12/17</td>
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<td>9</td>
<td>Final Exam</td>
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### Exam Schedule:

- Exam 1: Thursday, 9/26/13
- Exam 2: Thursday, 10/24/13
- Exam 3: Thursday, 11/21/13
- Final Exam: Tuesday, 12/17/13 from 11:00am – 1:30pm