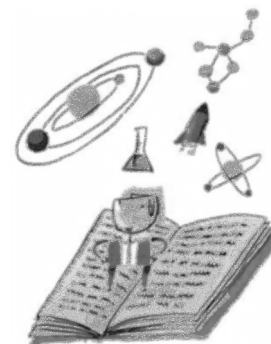




**Consumer Chemistry
Abilene Christian University
Fall 2012**

Chem 101
MWF 9:00-9:50 AM

SC 157



Dr. Autumn Sutherlin, Associate Professor of Biochemistry

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ACU Mission: "To educate students for Christian service and leadership throughout the world."

Department Mission: "To prepare students for careers in chemistry, biochemistry, chemical education, and health professions by displaying high professional standards and by modeling Christian values, leadership, and service."

Course Description: *The main goal of this course is to help prepare the student for a fuller and more informed role as a consumer and citizen in a technical society.* To that end, we will focus on both the technical and societal aspects of topics such as air and water, local and global environmental challenges, energy production and uses, nuclear power, medicines, genetics, and other materials and resources that we consume and produce.

Audience and Prerequisites: The primary audience for this course is students with a non-science major. There are no prerequisites.

Required materials:

Text: Middlecamp, C. H., Keller, S. W., Anderson, K. L., Bentley, A. K., Cann, M. C., Ellis, J. P. *Chemistry in Context: Applying Chemistry to Society*. 7th ed. New York: McGraw Hill Higher Education, 2012.

Attendance Policy: Attendance will be taken during each class meeting. To encourage regular attendance, your FINAL GRADE will be adjusted for absences according to the following scale:

0-3 absences	+1 %
4-6 absences	0 %
7-8 absences	-1 %
more than 9 absences	Automatic drop from the class.

Other Required Materials: iPhone®, iPodTouch®, iPad®, other tablet or smart phone with ResponseWare App from Turning Point registered at student.turningtechnologies.com.

Other Resources: Course Blackboard, <http://www.mhhe.com/cic>

Course Requirements:

DIY Quizzes: Eight "Do-It-Yourself" quizzes will be given during the semester (see schedule). On the designated days students will write a 10 point quiz and bring it to class. Students will be responsible for bringing two blank copies and one completed key for the quiz they wrote. In class a different student will take the quiz. Then yet another will grade it. The grade for DIY quiz will be broken down as 20 pts for quiz writing, 10 pts for quiz taking, and 5 pts for quiz grading. See DIY Quiz instructions for more information. DIY quizzes may not be made up. One DIY quiz score will be dropped. If more than one quiz is missed for excused reasons, the issue will be dealt with on an individual basis.

Science in the News: Four articles from news sources related to the material covered in class since the previous article will be due according to the course schedule. The article must be from no earlier than July 1, 2012. Along with the article a typed half to one page summary of how this article relates to what we've been covering will also be due. Both a copy of (or link to) the article and the summary will be turned in on Blackboard. Some good sources for looking for articles are the science section of newyorktimes.com, science and tech news from nbcnews.com, [scitech on foxnews.com](http://scitech.foxnews.com), sciencenews.org, or news.sciencemag.org, just to name a few. As these are turned in online, late work will not be accepted.

Infomercial: You and your partners will create a 5-8 minute video infomercial about a green product. More information on this project will be given later in the semester. The Infomercial will be due at 9 AM on December 5. As we will be viewing these in class that day, a late penalty of 20% will be assessed starting at 9 AM and for the following 24 hours. A 10% penalty will be given for every day after that. The Infomercial will not be accepted after the final exam on December 13.

Homework: Reading and 2-3 questions based on the reading will be assigned for most class meetings. These will be posted on Blackboard. One problem will be from the book and will be due at the beginning of class. The other question will be due online at 7 AM the morning it is assigned. These questions are very important as they will shape the lecture.

Additional homework assignments may be made periodically and will be due on the assigned date regardless of whether you attend class on the date the assignment is given or the date the assignment is due. They will be accepted late (one class period after the due date) for a maximum of 80% of the points possible.

In class activities and participation: Most days in class will consist of mini-lectures with group work and in class activities. Your participation is expected and required.

Exams: Four major examinations will be given. **In general make-up exams are not given.** If you are extremely ill on the scheduled date of an examination, you must contact the instructor on the date of the missed exam to explain your absence and be prepared to submit a written statement from a physician or nurse documenting your illness. If you will miss a scheduled exam for a school-sponsored trip, you must bring the required signed dean's notice one week before the anticipated absence as per ACU policies. If you follow these guidelines, arrangements will be made for you to take the missed exam. If you do not follow these guidelines you will be assigned a grade of "0" for the exam.

Grading:**Summary of Activities:**

4 Major Exams	55%
DIY Quizzes	15%
Infomercial	10%
Articles, Homework, In Class Activities, and Participation	<u>20%</u>
Total	100%

Grade Distribution:

A	90 – 100 %
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	59% and below

Academic Integrity: Violations of academic integrity and other forms of cheating, as defined in ACU's Academic Integrity Policy, involve the intention to deceive or mislead or misrepresent, and therefore are a form of lying and represent actions contrary to the behavioral norms that flow from the nature of God. Violations will be addressed as described in the Policy. While the university enforces the Policy, the most powerful motive for integrity and truthfulness comes from one's desire to imitate God's nature in our lives. Every member of the faculty, staff and student body is responsible for protecting the integrity of learning, scholarship and research. The full Policy is available for review at the Provost's office web site (<http://www.acu.edu/campusoffices/provost>) and the following offices: provost, college deans, dean of campus life, director of student judicial affairs, director of residential life education and academic departments.

The first instance of cheating will result in a 0 for the assignment. A second incident will result in an F in the course.

Dress Code: Students should conform to the dress code as outlined in the Student Handbook.