Note 1: Although technically this is an online class, live attendance is required for each lecture and lab period. Collaborate will provide an attendance record, so no other attendance need be taken. Points will be awarded each class period for full-time attendance and lab points also require full-time attendance in lab. The instructor reserves the right to deny attendance points to students who do not attend the entire lecture or lab period.

Note 2: Although Chem 1306 and 1106 are listed as two separate courses, they are in fact linked together in content in such a way that you must take them simultaneously. You will receive the same grade for Chem 1106 as for Chem 1306. Thus, if you drop one course without dropping the other, you will automatically fail the one you did not drop. The records office will not automatically drop one course if you drop the other. If you are not already enrolled in both Chem 1306 and 1106, contact Dr. Maxwell or your academic advisor to remedy this situation.

Dr. Janet L. Maxwell  
Office Hours: MWF 10:00 – 11.00 am  
Tuesday 2:00 – 3:00 pm  
Thursday 11 am - noon  
or by appointment

Mr. Rigel Rilliling  
Office Hours: By appointment only  
MW 2-5 pm and Tues 11 am -2 pm

All office hours will be held online via Blackboard Collaborate. A link to access office hours can be found in the left column on the home page of your Blackboard course.

Required Texts:

“General, Organic and Biological Chemistry”, 4th edition by Frost and Deal  


Also Required: 1) Registration/Participation in the Sapling Learning For-Credit Homework Software System (ISBN: 978098338590)  
3) Academic/Daily Planner  
4) A scientific calculator (Texas Instruments is the recommended brand, but other brands are acceptable)  
5) Web cam and required software for Respondus Lock-down Browser and monitor.

Course Description:  
An Introduction to General, Organic and Biological Chemistry with emphasis on the role of Chemistry in health and illness. Intended for nurses and allied health professionals.
Lab Grade:  
(14 labs will be completed and the one lowest lab grade will be replaced with a perfect score* – the sum of the lab grades will be worth 22.581% of the final grade in the two courses)

*Only students with a valid documented excuse can have one lab grade replaced with a perfect score

Calculators:  
Students are expected to have a scientific calculator available during lab every day. The calculator may be a graphing calculator or just a regular scientific calculator. Students may NOT use cell phones in place of calculators during quizzes or exams.

Blackboard:  
Blackboard is a computer learning environment to help you with your studies. To log onto blackboard, type in http://blackboard.angelo.edu into your web browser. Then click the grey “Login” button to the left of the screen. Next type in your username and password. Your username and password are assigned by IT. Please see Dr. Maxwell if you have trouble logging onto Blackboard.

Lab Course:  
Attendance in lab is a mandatory part of this course. We will do group activities in small groups of 3 or 4 students. The point values for these activities can be found on the lab schedule on the last page of this syllabus. Note that almost all of the new material will be presented during the lab period and not in the lecture. Poor attendance in lab will be fatal to your grade!

Lab Reports:  
Labs and Experiments will be carried out as group activities in lab. Each lab will be worth 25 points. Students are required to check their lab answers with the Instructor or Lab Assistant before leaving the lab that day. The lowest lab report will be dropped, but if you miss lab with a documented excuse, you must carry out the work in the lab at home since quizzes will be given over the lab material near the beginning of the following week. Note that you are directly responsible for learning all the material from the lab each week. No make-up labs will be accepted for any reason since your lowest lab grade will automatically be dropped. Only students with documented excuses are allowed to drop one lab.

Missing Lab Policy:  
Students will only be allowed to miss a lab if there is an illness, emergency or other schedule problem which is documented in writing. In order for a student to be eligible for a make-up lab, the student must notify Dr. Maxwell or the lab instructor before the lab is missed by telephone, voice mail or email. When a student returns to class after missing a lab, he or she must present a document such as a doctor’s note or funeral notice or coach’s note in order for the instructor to give permission to miss the lab. If you have a documented excuse, your missing lab grade will be dropped. Note: Students can only be excused from one lab grade per semester.
Grading:

The points earned in the lab will be added to the grades earned in the 1306 course. The cumulative total of the points will be used to determine your final letter grade, which will be the same in the lecture and lab courses. For your convenience, your lab grades will also be entered into your lecture gradebook and lab gradebook so that you can see the combined effect on your grade as the semester progresses. See the lecture syllabus for more information.

ASU COVID-19 Policy:

Although this class is entirely online, some of you may go onto the ASU campus to use computers, print items, etc. All students, faculty and staff are required to wear a mask on campus. Dr. Maxwell expects you to wear a mask while taking a quiz or exam if you are on the ASU campus. In addition, all students must enter their information into the Wellness screening app as many times as is required each day if they are on the ASU campus. Students who are alone in their dorm room are not required to wear a mask in order to take a quiz or an exam. Practice the proper safety procedures to minimize all exposure to the coronavirus.
<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Lab</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan 26</td>
<td>Lab 2: Properties, Units &amp; Conversions (25 pts)</td>
<td>Complete HW 1-1 after reading through Lab 1 and finishing Lab 2</td>
</tr>
<tr>
<td>2</td>
<td>Feb 2</td>
<td>Lab 3: Multistep Conversions, Dosage Calculations and Specific Heat (25 pts)</td>
<td>Complete HW 1-2 after Lab 3</td>
</tr>
<tr>
<td>3</td>
<td>Feb 9</td>
<td>Lab 4: Atoms, Isotopes &amp; Radiation (25 pts)</td>
<td>Complete HW 2 after Lab 4</td>
</tr>
<tr>
<td>4</td>
<td>Feb 16</td>
<td>Top Hat Review for Exam 1 (25 pts + Top Hat Credit)</td>
<td></td>
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<tr>
<td>5</td>
<td>Feb 23</td>
<td>Lab 5: Arrangement of e-, Ionic Compounds &amp; Introduction to Moles &amp; Covalent Compounds (25 pts)</td>
<td>Complete HW 3-1 after Lab 5</td>
</tr>
<tr>
<td>6</td>
<td>March 2</td>
<td>Lab 6: Covalent Compounds and Moles (25 pts)</td>
<td>Complete HW 3-2 after Lab 6</td>
</tr>
<tr>
<td>7</td>
<td>March 9</td>
<td>Lab 7: Introduction to Organic Compounds and Families of Organic Compounds (25 pts)</td>
<td>Complete HW 4-1 after Lab 7</td>
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<tr>
<td>8</td>
<td>March 16</td>
<td>Lab 8: Naming Branched Alkanes and Isomers (25 pts)</td>
<td>Complete HW 4-2 after Lab 8</td>
</tr>
<tr>
<td>9</td>
<td>March 23</td>
<td>Top Hat Review for Exam 2 (25 pts + Top Hat Credit)</td>
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<tr>
<td>10</td>
<td>March 30</td>
<td>Lab 10: Intro to Carbohydrates: Monosaccharides (25 pts)</td>
<td>Complete HW 6-1 after Lab 10</td>
</tr>
<tr>
<td>11</td>
<td>April 6</td>
<td>Lab 11: Glycosidic Linkages, Disaccharides, and Polysaccharides (25 pts)</td>
<td>Complete HW 6-2 after Lab 11</td>
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<tr>
<td>12</td>
<td>April 13</td>
<td>Lab 14: Solutions, Solubility, Concentration (25 pts)</td>
<td>Complete HW 8-1 after Lab 14</td>
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<tr>
<td>13</td>
<td>April 20</td>
<td>Lab 15: Dilutions, Osmosis, Membrane Transport (25 pts)</td>
<td>Complete HW 8-2 after Lab 15</td>
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<tr>
<td>14</td>
<td>April 26</td>
<td>Top Hat Review for Final (25 pts + Top Hat Credit)</td>
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<tr>
<td>15</td>
<td>May 4</td>
<td>Bonus Review for Final</td>
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