INSTRUCTOR: Dr. Anita Brown  
office: HS 301 C  
phone: 410-543-6484  
email: arbrown@salisbury.edu  
web page: http://faculty.salisbury.edu/~arbrown/  

LECTURE TIME: TR 5:30-6:45 p.m.  
PLACE: HS 103  

TEXTS:  
2. General Chemistry 121 Lab Manual (SU)  

OTHER MATERIALS:  
1. For all exams and quizzes, a nonprogrammable TI-30X calculator may be used. Use of any other calculator, cell phone, or electronic device during an exam or quiz will be regarded as an act of academic misconduct (cheating) and will be prosecuted accordingly.  
2. Daily access to the internet and to your SU email account are necessary.  
3. For the laboratory, appropriate goggles and are also necessary.  

OFFICE HOURS:  
MWF 10:00 – 10:50 am; T 2:30-3:20 pm  
During these times, I should be in my office, working with students – please stop by. I may be available to work with students at other times as well. You are welcome to email or to phone me to try to establish an appointment outside of these times.  

HELP SESSIONS:  
For many students, their ability to solve chemistry problems improves if, outside of the lecture, they receive guidance or assistance with understanding concepts and solving problems. You are encouraged to seek assistance with the course material. The faculty members of the department offer help at a variety of times. These times are listed on the Chemistry 121 Homepage (http://facultyfp.salisbury.edu/arbrown/ALL_GENCHEM/121/homepage/chem121_hmpg.htm).  

Additional times for help likely may be arranged if you contact your lecture or lab instructor.  

SUPPLEMENTAL INSTRUCTION (SI):  
The Supplemental Instruction Program offers students a chance to incorporate what to learn with how to learn. If you are the type of student who wants to improve not only your grades, but also your understanding of course content, then SI is for you! Supplemental Instruction (SI) is a free, voluntary, peer-facilitated academic support program that offers regularly scheduled study sessions for traditionally difficult courses. For this course, SI is facilitated by a student leader who has successfully completed general chemistry. Research has shown that the more sessions attended, the better the final course grade (UMKC, 2007). Sessions will be characterized by active and collaborative learning in a relaxed, academic environment. The SI leader for this course is Alexandra Yanus. Times and dates for weekly SI sessions will be announced in class.
PURPOSE: To introduce you to general chemistry (to the concepts and applied problems in the areas of the fundamental laws of chemistry, stoichiometry, periodic properties, solution chemistry, thermodynamics, atomic structure, chemical bonding, and behavior of gases) so that you will understand the concepts and be able to apply them to the world around you.

ATTENDANCE: Although formal attendance will not be taken in lecture, students are expected to attend every class. Since most of the material covered on the exams will be discussed in class, attendance will work to the student's advantage. Although my power point presentations are posted on the website, they are not inclusive of all material, and are not a substitution for being in class.

INSTRUCTOR's PHILOSOPHY: In this college-level course, I expect you to strive to understand the concepts and to use this understanding to approach problems rather than to memorize steps with no comprehension of why the steps are done. When you solve a problem, you will be arguing why someone should reach the same conclusion (answer) as you -- just getting the right answer is not sufficient. In order to master this approach, you will have to work outside of lecture and lab times. You will have to spend time beyond that required for homework assignments. However, it is my goal to help you grasp concepts. Please feel free to ask questions in class, to come by my office during office hours, and to contact me via email.

EXAMINATIONS: Exams are scheduled during the class period. If a student has a legitimate excuse for missing one exam, the student must notify the instructor in advance of the missed exam. Arrangements may then be made to increase the weight of the comprehensive final exam to compensate for the one missed exam.

Exams will cover material from the lecture, textbook, and laboratory.

EXAM I Tuesday, October 4
EXAM II Thursday, October 27
EXAM III Tuesday, December 6

Session Points: Prior to each exam (excluding the final exam), you will need to attend two hours of office hours or help sessions, during different weeks, offered by Dr. Brown, your lab instructor, or Mr. LaCurts. Attendance of and participation in these sessions, along with appropriate completion of concept sheets (packets designed to assess each student’s understanding of certain concepts and to possibly guide each student to a better understanding of these concepts) will be worth a total of four (4) points on each exam (excluding the final exam).

Log Sheets: Each time you attend one of these office hours or help sessions, you must identify yourself and make certain the instructor (Dr. Brown, your lab instructor, or Mr. LaCurts) adds your name and attendance time to his/her attendance sheet and signs your attendance sheet (found at the end of this syllabus). You must turn this log sheet in when you take your exam. If you absolutely cannot attend any of the offered help sessions or office hours, you should contact Dr. Brown immediately.
**Concept Sheets:** Concept sheets will be available on Dr. Brown’s website. Students will need to print these sheets and bring the sheets with them to concept sessions and complete the sheets in the session. Some concept sheets may require completion of one page prior to attendance at the concept session. One set of concept sheets will need to be completed prior to each exam. You must turn your appropriately completed and signed concept session cover sheet in when you take your exam.

Concept sessions will be limited to attendance of 16 students at each session. Accordingly students will need to sign up at least 24 hrs prior to attending a concept session. Students who do not attend a concept session which they signed up for may not be eligible to receive the four points (session points) on the exam. Your instructor will provide further details regarding how you sign up for concept sessions.

**QUizzes:** Quizzes will be given at the discretion of the instructor. In computation of the final grade, the lowest (or one missed) quiz will not be counted. There are NO make-up quizzes.

**Homework:** Homework provides YOU an opportunity to assimilate and to apply what we discuss in class. Look upon it as an opportunity to foster your thorough understanding. It is not about simply getting the right answers.

Homework problems will be assigned and collected periodically. Due dates will be announced in class. On the homework due date, a quiz may be given to test your comprehension of the homework. This quiz will be part of your homework grade. There are NO make-up homework quizzes.

The following rules will be applied for Homework:

1. Unless otherwise specified by your instructor, all homework must be handed in at the beginning of the lecture period on the due date. **Late assignments will NOT be accepted.**
2. In computing the final homework average, the one lowest (or one missed) homework grade will not be counted. (All homework quizzes will be counted.)
3. Prior to turning in each homework assignment, students are responsible for checking their email and the instructor’s web page for clarification.
4. The homework assignments are available in pdf format on the instructor’s web page (http://faculty.salisbury.edu/~arbrown/). The homework site is password protected. Your SU groupwise login and password should permit you access to the homework. You must print the assignments as they appear on the web site and you must turn in your homework completed on these printouts.
5. Homework must be neatly written, logically organized, and final answers must be clearly identified.
6. **All work must be shown** to receive credit.
   - Units must be carried throughout calculations and cancellation of these units must always be shown.
   - When you show work and/or give a justification to solve a problem, you are trying to convince others (not necessarily me) that they should reach the same conclusion (answer) as you – be sure your work does this.
7. Although you may discuss the homework with your classmates, all work handed in must be your own. Copying another person’s work is plagiarism, and will be considered
cheating. I encourage you to talk with others in order for you to get a general understanding of the work. However, each person must work out detailed solutions of the problems individually. All homework is compared while being graded; do not copy other’s work. (A homework quiz will be an individual student’s effort.)

LABORATORY: Laboratory reports will be handed in each period for grading of that week's lab write-up. Each week’s write-up will be graded on the basis of 20 points. Failure to attend 3 or more lab sessions may result in an F for the course.

Unless you are informed otherwise by the instructor, laboratory exercises will be conducted in HS 347. There will be a laboratory exercise each week through and including December 2.

*During the week of Thanksgiving, labs will not meet – see lab schedule for clarification.

WRITING REQUIREMENT: In all homework, laboratory exercises, exams, and quizzes you will be required to demonstrate proficiency in writing logically, legibly, and lucidly.

STUDENTS WITH SPECIAL NEEDS: Any student in this course who has a disability that may necessitate special accommodations should notify the instructor and contact the Office of Student Affairs, (410) 543-6080, as soon as possible. It is your responsibility to make these arrangements well in advance of when you need the accommodations.

DISHONORABLE ACADEMIC BEHAVIOR: All kinds of academic misconduct (see SU Student Handbook) will prosecuted vigorously. An act of academic misconduct will, at least, result in a zero on the assignment in question, and quite possibly, with an “F” grade for the course.

DISRUPTIVE BEHAVIOR: Students who behave in a manner which disrupts the course will be removed from the class.

COMMUNICATION: eMail to your SU account is an official means of communication.

INCLEMENT WEATHER: In case of inclement weather, call the Gull Line at 410-546-6426 or check the Salisbury University web page for emergency closing information. If travel conditions are poor, you should use your best judgment about whether or not to attend class. Bear in mind, however, that if SU is open, then classes will be held. If the opening of campus is delayed such that classes begin after the normal start of your class, but before your class is scheduled to end, then you should go to class when campus opens. For example, if your class is scheduled 9:00-10:50, and campus opening is delayed until 10:00, then you should go to class at 10:00. If campus is closed early, lecture and labs will meet until the closing time. For example, if your class is scheduled from 1:00 – 2:50 and campus is closing at 2:00, class will meet from 1:00 – 2:00.

EMERGENCY SUSPENSION OF CLASS: In the event of any emergency that results in suspension of this class, I will be communicating with you about this course and its requirements via SU e-mail. Students must verify that they can gain access to their e-mail through the web.

All revisions to assignments, quiz and exam dates, and class and grading policies that would occur during such an emergency will be communicated via e-mail. Revision to assignments may include new assignments due upon resumption of class. You will be responsible for completing
all these assignments in accordance with class policies.

If class is suspended for only part of the time for our lecture or lab, you should attend the remainder of the lecture or lab time that was not suspended (as described above in the inclement weather section).

GRADE: Course grades will be calculated as follows:

- Three in-class exams (15 % each) = 45%
- Final Exam (comprehensive) = 20%
- Laboratory = 15%
- Quizzes = 14%
- Paper and Pencil Homework = 6%

Total = 100%

Anyone who receives 90 % or better of the total will receive an A, 80 % a B, 70 % a C, etc. The instructor reserves the right to lower some, or all of these cut-off grades.

GRADE SCALE: Note that the following criteria will be used for determining letter grades:

- 90 -100% = A: Superior Work. Student demonstrates a thorough and complete understanding of the subject.
- 80 - 89% = B: Excellent Work. Student demonstrates an above average understanding of the subject.
- 70 - 79% = C: Good Work. Student demonstrates an average understanding of the material.
- 60 - 69% = D: Fair Work. Student demonstrates below average understanding of the material and has completed most of assignments.
- 0 - 59% = F: Unsatisfactory Work. Student does not demonstrate an adequate understanding of the subject and has not turned in all assignments.

SOME TIPS

- If your grade will affect any of the following: 1) whether you receive or retain a scholarship (athletic or otherwise); 2) your eligibility to participate in any university sponsored activity; 3) your continuing progress within an academic track; 4) your standing within the education department and/or student teaching requirements; 5) your standing with your fraternity, sorority, the university, or any other student organization; - NOW IS THE TIME TO BECOME CONCERNED - NOT AT FINAL EXAM OR AFTER FINAL GRADES HAVE BEEN DETERMINED!! Please do not wait until the last minute, when it will be too late for anyone to help you! Also remember, we are here to learn and most of all have FUN!!
- Don't procrastinate!! Don’t wait until the last minute to study or to do homework. If you look at the material in advance, you will have an opportunity to discuss it with your instructor, another instructor, and/or your classmates. Keep in mind that sometimes homework problems are best solved by working on them, putting them aside, and then working on them again.
- Ask Questions!! If you are having problems with the course material, seek help!! You may discuss the course material with your classmates as well as with instructors.
- Minimize Memorization! Some memorization is necessary and will be required. However, the more you understand, the less you need to memorize. I will strive to offer you clear explanations. You must strive to understand the concepts and to use this understanding to approach problems rather than to memorize steps with no comprehension of why the steps are done.
YOUR RESPONSIBILITY

During lecture, your instructor can attempt to present the basic information required for understanding the course material in a clear manner. Your instructor can provide assistance with the material outside of class. However, your instructor cannot learn this material for you. Nor can your instructor present every possible situation to which this course material may apply. Success in this course likely will require you to work outside the classroom (nearly every day) on the course material. Success in this course may require you to seek assistance from a chemistry teacher (outside of lecture time). You will need to UNDERSTAND the material and to apply it. At a minimum, to understand the material in this course, you will need to UNDERSTAND your lecture notes, text, homework, quizzes, sample exams, and lab work. You will also need to apply this understanding effectively. Memorization without true comprehension will not necessarily lead to success in this course.

TENTATIVE Schedule of Lecture Topics for CHEM 121

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Chapter</th>
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</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Matter, Measurement, and Problem Solving</td>
<td>1</td>
</tr>
<tr>
<td>Week 2</td>
<td>Atoms and Elements</td>
<td>2</td>
</tr>
<tr>
<td>Week 3, 4 &amp; 5</td>
<td>Molecules, Compounds, &amp; Chemical Equations</td>
<td>3</td>
</tr>
<tr>
<td>Week 5, 6 &amp; 7</td>
<td>Chemical Quantities &amp; Aqueous Reactions</td>
<td>4</td>
</tr>
<tr>
<td>Week 8 &amp; 9</td>
<td>Thermochemistry</td>
<td>6</td>
</tr>
<tr>
<td>Week 10</td>
<td>The Quantum Model of the Atom</td>
<td>7</td>
</tr>
<tr>
<td>Week 11</td>
<td>Periodic Properties</td>
<td>8</td>
</tr>
<tr>
<td>Week 12&amp;13</td>
<td>Chemical Bonding I</td>
<td>9</td>
</tr>
<tr>
<td>Week 14</td>
<td>Chemical Bonding II</td>
<td>10</td>
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<tr>
<td>Week 15</td>
<td>Gases</td>
<td>5</td>
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</tbody>
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**Final Exam - Wednesday, Dec 14th, 4:15-6:45 PM**

This course satisfies Group III General Education Requirements
I understand that success in this course likely will require me to work on the course material (nearly every day) outside of the classroom. I will need to UNDERSTAND the course material and to apply it. **At a minimum**, to understand the material in this course, I will need to UNDERSTAND my lecture notes, text, homework, quizzes, sample exams, and lab work. I will need to apply my understanding effectively. **Memorization without true comprehension will not necessarily lead to success in this course.**

If I need help UNDERSTANDING and/or APPLYING the course material, I will seek assistance from a chemistry teacher (outside of the lecture time).

________________________
Printed Name

________________________
Signature
Attendance at Office Hours and/or Help Sessions for Dr. Brown’s Students, Fall 11

This sheet must be turned in to Dr. Brown on each exam day.
Review Sessions for Exams are NOT acceptable for this credit.

Your name _______________________________

Prior to Exam 1
You must attend a total of two hours during different weeks. You are welcome to attend more hours.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Date Attended</th>
<th>Time Attended</th>
<th>Signature of Instructor</th>
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<tbody>
<tr>
<td>29 Aug</td>
<td></td>
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<td>(Dr. Brown, your lab instructor, or Mr. Lacurts)</td>
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<td>5 Sep</td>
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<td>12 Sep</td>
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<td>19 Sep</td>
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<td>26 Sep</td>
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Prior to Exam 2
You must attend a total of two hours during different weeks. You are welcome to attend more hours.

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<th>Date Attended</th>
<th>Time Attended</th>
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<tbody>
<tr>
<td>3 Oct</td>
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<td>(Dr. Brown, your lab instructor, or Mr. Lacurts)</td>
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<td>10 Oct</td>
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<td>17 Oct</td>
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<td>24 Oct</td>
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Prior to Exam 3
You must attend a total of two hours during different weeks. You are welcome to attend more hours.

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<tr>
<th>Week of</th>
<th>Date Attended</th>
<th>Time Attended</th>
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<tbody>
<tr>
<td>31 Oct</td>
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<td>(Dr. Brown, your lab instructor, or Mr. Lacurts)</td>
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<td>7 Nov</td>
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<td>14 Nov</td>
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<td>21 Nov</td>
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<td>28 Nov</td>
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