COURSE: CHEM 105 Section 1
COURSE TITLE: General Chemistry I
SEMESTER: Spring Term 2010
CREDIT HOURS: 3
MEETING TIMES: Bishop Hall Room 209 MWF 11:00-11:50 a.m.
INSTRUCTOR: oulter Hall 332 - 915-5334 e-mail: chemlabs@olemiss.edu


ADDITIONAL EQUIPMENT OR SUPPLIES NEEDED:
- A non-programmable scientific calculator
- Computer with access to the internet
- Access card for Mastering Chemistry
- Interwrite PRS RF Clicker

STATEMENT OF PURPOSE: Chemistry 105 – General Chemistry I - is the first semester lecture portion of the standard course for a major or minor in chemistry. CHEM 105 provides an introduction to the concepts fundamental to the study of chemistry. Specifically, this class will focus on principles of problem solving and measurement, stoichiometry, chemical reactions, gas theory, thermochemistry, atomic structure, periodic properties, and molecular bonding. When taken with CHEM 115 – General Chemistry Laboratory I – completes the first semester of the two semester sequence for general chemistry.

CATALOG DESCRIPTION: Lecture part of the standard course for a major or minor program in chemistry.

PRE-REQUISITE: ACT Math Subsection Score 23 OR SAT Math Subsection Score 590 OR CHEM 101 OR Grade of B or better in or MATH 125 or higher level MATH course.

CO-REQUISITE: CHEM 115

MAJOR OBJECTIVES OF COURSE:
You will be evaluated on how well you...
1. Demonstrate your knowledge of the basic concepts, principles, laws, theories, terminology and facts.
2. Demonstrate your ability to apply concepts, principles, laws, and theories of chemistry to problem solving.
3. Demonstrate your ability to use logical thinking in designing solutions to problems.
4. Demonstrate your ability to apply mathematical models /equations to problem solving.

SCORING POLICY:
The grade will be distributed according to the following guide.

EXAMS: (3-100 point exams)
Three exams will be given during the semester. The dates of the exams will be announced approximately 1 week in advance. Tests are typically given at 2 or 3 chapter intervals.

QUIZZES: (25 points maximum) 10 formal quizzes will be given at announced times during the semester. Each quiz will be worth 5 points. (These quizzes may be given online with the Mastering Chemistry online
Chemistry Department office (Coulter 322) maintains a list of tutors should you wish to pay for additional assistance.

PROBLEM SOLVING AND GENERAL HINTS: The key to doing well in this class can be summed up in three suggestions: 1) Be systematic and disciplined about your study; 2) Work problems – as many as you possibly can – do not depend only on the lecture to learn the material; 3) Seek assistance at the help sessions or office hours if needed.

GRADED WORK: Collect and keep all graded papers. If you believe an error has been made in the grading of a paper, check on it immediately. I reserve the right to refuse to change a grade if more than a week has passed since the assignment has been returned to the class.

TECHNOLOGY CLAUSE: Online homework and other assignments are to be turned in by the due date. Problems with technology such as computer “crashes” and server downtimes are not acceptable excuses to turn work in late. Plan accordingly.

MASTERING CHEMISTRY: The online homework program Mastering Chemistry will be used to provide graded assignments during the semester. Be sure to register using the directions provided.

BLACKBOARD: The course will use a Blackboard site to provide a central hub of information. Check Blackboard frequently for information and updates.

SCANTRONS: Test answers will be marked on scantron answer sheets. The form used will be Pearson NCS Form 16485 (Purple scantron sheets). Each student is to submit 5 blank scantrons no later than February 5, 2010. Students who turn in the scantrons by this date will receive 5 bonus points toward their Homework total. If you do not turn in the Scantrons, you may not be allowed to take the first exam.

When submitting the scantrons, place your name and ID number on a Post-it note and attach the scantrons to the Post-it note with a paper clip. DON’T write your name on the scantrons.

ACADEMIC HONESTY: Standards of academic honesty, fairness, and penalties for violation, are outlined in the "M" book. You will be held responsible for their actions by those standards.

Examples of actions subject to academic discipline include:
1. Representing someone else’s work as your own (copying, plagiarism);
2. Knowingly allowing someone else to represent your work as his or her own (letting someone copy your work);
3. Gaining or attempting to gain an unfair advantage (cheating);
4. Giving false information or altering documents (data faking, changing answers after grading);
5. Disruptive behavior (acting up) or deliberately damaging equipment.

Penalties for academic dishonesty may include (but are not limited to) grade reduction (zero for assignment), grade of F for the course, and in extreme cases academic probation, suspension, or expulsion.

You are expected to do all assignments by your own efforts (do your own work!). Collaborating by using cell phones, text messaging, logging into a computer and having someone take the assignment for you, or having someone sit next to you feed you answers is not acceptable behavior.

CELL PHONES AND COMPUTERS IN LECTURE: Cell phones and text messaging devices are to be turned off during the lecture period. If your phone rings during class you might be asked to leave for the day. If your phone goes off during an exam, you might be given an automatic zero for the test. Using a computer