SYLLABUS

CHE 122A, Basic Chemical Principles Summer, 2010

Credit: 4 Semester Hours
Instructor: Dr. C. Dean Parks
Office: 414 Hederman Science

Phone: 601-925-3426(office); 601-924-5023(home)

Office Hours: 3:00-4:00 M-F

Text: <u>Introduction to General, Organic and Biochemistry</u> by Bettelheim and March

(Harcourt Publishers) 9th Ed., 2010.

Laboratory Instructor: Ivy Price

Welcome to CHE 122! This Syllabus is provided to help you have a successful, enjoyable experience. Although we expect to conduct the course as described herein, we reserve the right to make modifications if circumstances dictate.

Course description: Lecture 11:40-1:20 MTWRF; Laboratory 2:00-5:00 MW

A course for non-science majors and allied health students, the first in a two-part series on chemistry. Students will acquire a knowledge of the nature and behavior of matter and be prepared to study organic and biochemistry in the second course. The following will be covered: science inquiry and measurement, terminology, and the skills of observation and deduction about chemical changes. Specific subjects include the nature of the atom, chemical bonding, chemical reactions, gas laws and behavior, acids and bases. The laboratory enables testing and observation of physical and chemical principles.

Notice: No cell phones should be powered on while in class. Use of cell phones during class in any way may result in grade reduction. Use of cell phone calculator function is not allowed, rather, student should acquire a general scientific calculator which is able to handle exponential log functions. Graphing calculators can be used, but are not required. The memory function of such calculators shall not be used to store formulas, equations, etc. that if written on paper would be called a "cheat sheet".

Attendance: Attendance at all class meetings is expected. Attendance will usually be checked each day by either passing a roll or looking at assignments that are turned in. Absences are recorded on the grade report that is mailed at the end of the semester. There is no penalty for class absences other than the missed information and opportunities for pop grades or extra work. This assumes that you do not have so many absences that you do not get credit for the course as described in the college catalog. If a regular class meeting is missed, it is the student's responsibility to obtain any assignments or instructions that were given by the instructor. Missing a class is **NOT** an excuse for not preparing for the next class meeting or not having any assignments ready on time. Regularly scheduled tests are given and a grade of zero (0) will be given for missing a test except in the case of an EXTREME emergency. In this very rare situation the missed test must be made up before the graded tests are returned to the class. This will usually be the next class period. **NO MAKE-UP TESTS WILL BE GIVEN AFTER**

THE TESTS HAVE BEEN RETURNED. If the student cannot return to class until after the tests have been returned, that test will not be included in the calculations of the final grade.

Methods of Instruction: Class will consist primarily of lectures and working problems. Appropriate demonstrations as well as laboratory activities may be done that reinforce key concepts.

Laboratory: The laboratory is operated almost independently of the lecture, and has its own supplement to this syllabus. The laboratory and class grades are merged to determine the overall grade, as explained below.

Methods of Evaluating Student Progress: Usually three tests will be given during the semester, each with a value of 100 points. Exams may contain essay questions that require the student to express thoughts in a well organized manner consistent with accepted writing form. Unannounced pop tests are given periodically, the total number of pop test points will vary from year to year. Pop tests that are missed are not made up and a zero is recorded. The grade from the laboratory portion of the course is combined with the points earned from the lecture portion in determining the final course grade. The grading scale is based on the percentage of total points earned in the course.

The grading scale is:	90-100%	A
	80-89%	В
	65-79%	C
	50-64%	D
	Below 50%	F

The last day to drop a class is Wednesday, June 16, 2010.

Assignments: Exercises from the text will be assigned for each chapter. These assignments may or may not be taken up. They usually will be put on the board by the students as part of the class. The problems are an essential part of the course and are often used as the basis of exam questions.

Academic integrity: Mississippi College students are expected to be honest. Please refer to the 2009-2010 Mississippi College Tomahawk or University Policy 2.19 for specific information regarding penalties associated with dishonest behavior at Mississippi College.

PROBLEM ASSIGNMENTS

Chapter 1: 16, 18, 19, 22, 24, 26, 32, 36, 38, 40, 42, 45, 52, 56

Chapter 2: 10, 15, 17, 19, 20, 28, 22, 24, 28, 30, 45, 47, 52, 56, 58, 66

Chapter 3: 18, 19, 23, 28, 33, 39, 45, 49, 51, 59, 62, 68, 72, 78, 80, 86, 90

Chapter 4: 18, 21, 23, 28, 33, 35, 38, 45, 50, 52, 61, 67, 73, 77, 80

Chapter 5: 17, 21, 23, 32, 38, 44, 56, 66, 69, 76

Chapter 6: 17, 28, 34, 39, 41, 48, 57, 60, 68

Chapter 7: 13, 15, 20, 25, 26, 29, 37, 39, 43, 50

Chapter 8: 13, 16, 22, 25, 28, 33, 39, 41, 47, 52

Chapter 9: 12, 14, 20, 23, 28, 31, 32, 46, 53