CHE 1021 Fall 2009
ORGANIC AND BIOLOGICAL CHEMISTRY LAB

COURSE PREREQUISITE: Concurrent enrollment with CHE 1013. If a student withdraws from CHE 1013, he/she has to withdraw from CHE 1021 as well.

MEETING TIMES: Section 001 Tuesday 7-10:00 pm
Section 003 Thursday 7:45 am–10:45 am

INSTRUCTOR: _____
Susan Thomas, Ph.D

OFFICE HOURS: _____
For Susan Thomas:
M W noon- 2:00pm BSE 1.338
phone 210-458-7051
susan.thomas@utsa.edu

REQUIRED TEXTBOOK:
Lab Experiments in Organic and Biochemistry for the Allied Health Sciences; published by Thompson, 1st edition (ISBN : 0495477567)
Goggles are required. Lab apron or coat is recommended.

ATTENDANCE: Attendance will be taken in the beginning of every lab session. Attendance is mandatory. If there is a need to miss a lab you must notify your instructor as soon as possible. If more than one lab is missed, you will not receive a passing mark for the lab(s) missed. You are responsible for writing reports for the experiments you missed, however you will only receive half credit for the report. If you have 2 unexcused absenses (you miss 2 labs and do not make them up), you will not receive a passing mark for the ENTIRE semester.

FINAL EXAM: There will a final exam for this course. It will take place the last week of labs.

GRADING: Your grade will be computed on the following basis:

Laboratory participation and Reports	50%
Quizes	10%
MidTerm	15%
Final Exam	25%

There are 12 reports due, 40 points each for a total of 480 points
There will be 5 quizes worth 20 points each for a total of 100 points.
The midterm will be worth 150 points
The lab final will be worth 250 points
There will be 20 points left to the TA to decide on (participation)

REPORTS: You will be required to complete the lab report in the lab after the end of each experiment and handed in at the end of each session. The labs should be neat and clearly written.

List of Experiments

Week Period	Lab
8/26 –8/31	Check in; Safety Rules Structures in organic compounds: use of molecular models I
9/2 – 9/8	Stereochemistry: use of molecular models II (FINISH!) Structures in organic compounds: use of molecular models I
9/9 – 9/15	Identification of hydrocarbons ******** Naming Organic Compounds- p46-56 (thru ex. set 3)**
9/16 – 9/22	Quantitative analysis of vitamin C contained in foods ******** Naming Organic Compounds- p57-62 (thru ex. set 6)**
9/23 – 9/29	Identification of Alcohols and Phenols ******** Naming Organic Compounds- p62-68 (end)**

ALL LABS TO BE RETURNED GRADED TO THE STUDENTS by 9/30-10/6

9/30 – 10/6	Identification of Aldehydes and Ketones (SKIP formation of Derivative section, p94)
10/7 – 10/13	MIDTERM EXAM (thru alcohols and phenols and naming)
10/14 – 10/20	Acid-base properties of amino acids
10/21 – 10/27	The synthesis of aspirin and other esters
10/28 – 11/3	A Study of Carbohydrates
11/4 – 11/10	Fats, Oils, Soaps and Detergents
11/11 – 11/17	Amino Acids and Proteins (SKIP part E, p142)
11/18 – 11/23	Lab Finals

THANKSGIVING- TUESDAY lab will meet!

All labs are subject to change. You will be notified at lease a week in advance and hopefully much sooner if there are to be any changes.