

# CHE 1011, Fall 2010

## ALLIED HEALTH SCIENCES LABORATORY

**COURSE PREREQUISITE:** Concurrent enrollment with CHE 1003. If a student withdraws from CHE 1003, he/she has to withdraw from CHE 1011 as well.

**MEETING TIMES:** Section 001 Monday noon- 3:00 pm  
Section 002 Monday 3:30 -6:30 pm  
Section 003 Tuesday 7:45am- 10:45 am  
Section 004 Wednesday noon – 3:00 pm  
Section 005 Wednesday 7:00 pm – 10:00 pm

**INSTRUCTOR:** \_\_\_\_\_  
Susan Thomas, Ph.D

**OFFICE HOURS:** \_\_\_\_\_  
For Susan Thomas:  
M W noon-2:00 BSE 1.338  
phone 210-458-7051  
[susan.thomas@utsa.edu](mailto:susan.thomas@utsa.edu)

**REQUIRED TEXTBOOK:** Lab Experiments in General Chemistry for the Allied Health Sciences published by Thompson, 1<sup>st</sup> edition (ISBN : 0495477575)  
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 absences (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 be 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%
Quizzes	10%
MidTerm	15%
Final Exam	25%

There are 12 reports due, 40 points each for a total of 480 points  
There will be 5 quizzes 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 hand it in at the end of each session. The labs should be neat and clearly written.

## List of Experiments

Week Period	Lab
8/30 – 9/3	Check in; Safety Rules Measurements and Significant Figures **Representing Data Graphically (homework)
9/7 – 9/13	Studying Density Using Salad Oil and Vinegar
9/14 – 9/20	Isolating the Components of a 3 component mixture
9/21 – 9/27	Introducing the Qualitative Analysis of a Group of Cations
9/28 – 10/4	Physiologically Important Anions (skip section IV, p65) **Writing and Balancing Chemical Equations (homework)
10/5 – 10/11	Solving Stoichiometric Problems (skip section III, p94 AND #22b and #22c; p97)
10/12 – 10/18	MIDTERM EXAM
10/19 – 10/25	Determining the Percent Water in an Unknown Hydrate
10/26 – 11/1	Reaction Rates and Equilibrium
11/2 – 11/8	Analysis of Vinegar
11/9 – 11/15	Evaluating Commercial Antacids
11/16 – 11/22	Lab Finals
11/22 MON lab final!!	THANKSGIVING-no lab (T,W,R, or F)

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