

CHEM 1105 Lab – Introductory Chemistry Laboratory Spring 2022

Course: Chemistry 1105 Lab – Introductory Chemistry Laboratory
Instructor: Dr. Mike Creswick
Office: HS-212
Phone: 265-4433
E-mail: mike.creswick@brazosport.edu
Office Hours: See posted schedule (HS-212) and by appointment

Required Books and Supplies:

1. Signature Labs Series, Introductory Chemistry, CHEM 1105, Published by Cengage Learning.
2. Scientific Calculator.
3. Visorgogs or safety goggles, must meet ANSI Z87.1-1989 certification.

Course Description:

This is the laboratory course to be taken in conjunction with CHEM 1305. Credit in CHEM 1305 as a laboratory science is contingent upon successful completion of CHEM 1105.

Grades

1. Final Grades will be determined according to the following system:

Total points possible: 100

90-100 = A

80-89 = B

70-79 = C

60-69 = D

0-59 = F

2. There are 10 graded experiments for the lab course. Each experiment counts 100 points toward the final average lab grade. If you will be absent during a lab, you can make up the lab by going to another 1105 lab session during the same week, or you can make up the lab during make-up week (see schedule). You must turn in your lab write ups (pre-lab, data sheet and post-lab) to the lab instructor during your make-up lab. The lab instructor will forward your lab write ups to me. Missing more than 2 labs will constitute a grade of F for the course.
3. Attendance will be taken for each lab session. No lab write ups (pre-lab, data sheet or post-lab) will be accepted for any experiment not attended, unless the lab was made up with another lab instructor, or during make-up week.

Grading of the Laboratory Experiment

1. The Pre-lab exercise (25 points) must be completed before the lab session. Student must turn in the pre-lab write up before commencing the experiment.
2. The Data Sheets and Observations (50 points) and the Post-lab exercises (25 points) will be due at the end of the period following the completion of the experiment.
3. The Data Sheets and Observations must be completely filled out in ink. When you make an error, cross it out with a single line. Do not use liquid paper or obliterate the error. For example: ~~error~~ error

SCHEDULE

CHEM1105 –Spring 2022 as of 1/13/2022

Dr. Mike Creswick – (979) 265-4433 – e-mail: mike.creswick@brazosport.edu

WEEK	DATE	LAB 8:10-10:00pm HS-202
1	1/19	Identify Equipment Tech 380 - Safety Practices
2	1/26	Misc 486 - Dimensional Analysis.
3	3/2	Tech 382 - Transfer (do all of prelab)
4	9	Prop 375 - Separation (skip prelab #5,6)
5	16	Separation (continued)
6	23	Reac 399 - Chemical Change (do <i>all</i> prelab and postlab)
7	3/2	Anal 387 – Water in a Hydrate (skip prelab #3) Exp. 388 Empirical Formula (skip prelab#3)
8	9	No Lab (lecture)
9	16	No Lab – SPRING BREAK
10	16	No Lab (Exam)
11	30	Reac 405 – Identify (skip prelab #3; skip postlab)
12	4/6	No Lab (Lecture)
13	13	Anal 394 - Molar Concentration (skip prelab; skip postlab #2)
14	20	Exp. 304 - Vinegar (skip Questions; skip prelab #1,2)
15	27	
16	5/4	
	5/11	