



Syllabus: General Chemistry II - LAB

Course Number: CHEM 1112

Instructor Information

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Office Hours: TBD

Lab Manual

The Lab Manual is written by Texarkana College and is available to purchase in the bookstore. You may also find the lab manual located on the Moodle Page for this course.

Web Sites

www.texarkanacollege.edu

If you have trouble accessing your myTC or your email, please be sure to contact the TC Help desk at 903-823-3030. This site is where you can access any notes or handouts as well as view your grade and current number of absences. I will be contacting you via your Texarkana College e-mail in the event that you need information prior to the next class such as cancellation of a class, etc.

MOODLE is also located within this myTC web site. It does *not* require a different user name or password than what you already use to access your myTC site.

Student Learning Outcomes for the Course

Upon successful completion of this course, students will:

Learning objectives specific to the laboratory are:

1. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory.
2. Demonstrate safe and proper handling of laboratory equipment and chemicals.
3. Conduct basic laboratory experiments with proper laboratory techniques.
4. Make careful and accurate experimental observations.
5. Relate physical observations and measurements to theoretical principles.
6. Interpret laboratory results and experimental data, and reach logical conclusions.
7. Record experimental work completely and accurately in laboratory notebooks and communicate experimental results clearly in written reports.
8. Design fundamental experiments involving principles of chemistry and chemical instrumentation.
9. Identify appropriate sources of information for conducting laboratory experiments involving principles of chemistry.

Prerequisites: Students should have completed Chemistry 1311/1111 with a minimum grade of “C” or have consent of the professor.

Student Requirements for Completion of the Course and Due Dates

Week Lab

- 1 Syllabus & Drawer Assignments
- 2 Conductivity and Analysis of Electrolyte Concentration
- 3 Solutions, Freezing Point Depression and K_f
- 4 Kinetics of a Chemical Reaction
- 5 Energy of Activation of a Chemical Reaction
- 6 Acid Content of Commercial Vinegar
- 7 Analysis of Household Ammonia
- 8 Analysis of Bleaching Agents
- 9 Determining the Value of K_{sp}
- 10 Electrochemistry – EMF of Voltaic Cells
- 11 Nuclear Chemistry Worksheet
- 12 Organic Chemistry Worksheet
- 13 Empirical Formula by Microanalysis
- 14 OPEN (Make-Up)
- 15 OPEN (Make-Up)
- 16 No Class

Technology

The ability to use and access various web sites will be necessary throughout the course of this semester to access grades, submit assignments, or find handouts.

If you cannot access internet from home, work, etc., there are places on campus to access your Moodle page and complete required assignments. You are welcome to use the computers in the TC Library or in the Computer Center located in the Business and Computer Tech Building.

If you are in need of help regarding accessing Moodle or login information, please contact the TC Help Desk at 903-823-3030 or you may contact them through a working computer at <https://www.texarkanacollege.edu/helpdesk/topics/it/>. This site will also help you set TC email notifications through your phone.

While everyone has a preference as to what browser they use to access the internet, such as *Google Chrome*, *FireFox*, or *Internet Explorer*, etc., when taking Moodle quizzes, **FireFox** seems to allow Moodle to run more smoothly than the others. If you have trouble downloading the FireFox web browser, contact the TC Help Desk.

Link on how to access TC Moodle page:

<https://www.texarkanacollege.edu/helpdesk/how-to-access-online-courses/>

Student Assessment

The Course Grade will be determined in the following manner:

LAB (100%)

The grade for this course will be an average of all of the lab activities that are assigned. The lowest grade will be dropped. You must be present to get credit for the lab. There are no make-up lab assignments. If you are not present for a lab, then that grade will be recorded as a zero in the gradebook. Please refer to your my TC account to view your grades and absences.

Grading Scale

Grade	
A	90-100
B	80-89
C	70-79
D	60-69
F	59-below

Be sure to check Moodle frequently regarding your grades. Once a grade has been entered, you will have 1 week to dispute that grade. After the time frame has passed for disputes, the grade will be locked and will no longer be subject to change.

Class Schedule

Date	Lab
Week 1	Syllabus and Drawer Assignments
Week 2	Conductivity and Analysis of Electrolytic Concentration
Week 3	Solutions and Freezing Point Depression
Week 4	Kinetics of a Chemical Reaction
Week 5	Energy of Activation
Week 6	Acid Content of Commercial Vinegar
Week 7	Analysis of Household Ammonia
Week 8	Analysis of Bleaching Agents
Week 9	Determining the Value of K_{sp}
Week 10	Electrochemistry – EMF of Voltaic Cells
Week 11	Nuclear Chemistry Worksheet

Week 12	Organic Chemistry Worksheet
Week 13	Empirical Formula by Microanalysis
Week 14	TBD
Week 15	TBD
Week 16	No Class
FINALS WEEK	

This class schedule is subject to change. Changes will be announced in class.

Attendance Policy

Roll will be taken each class. A student with 4 absences will be dropped from the course for lack of attendance per the TC Handbook Attendance Policy. If extenuating circumstances arise, please set up a time to discuss this with your instructor. If an enrolled student stops attending class and chooses to receive an F, the last date they attended will be listed on the final grade sheet and they will most likely have to pay back money received from grants or scholarships.

Make-up Policy

There are no make-up lab assignments. Please discuss absences with the instructor. Missed labs will result in a zero for that particular lab assignment.

Testing Center: <https://www.texarkanacollege.edu/academics/testing-center/>

Academic Integrity Statement

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an "F".

This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at <https://texarkanacollege.edu>.

Class Behavior

There will be a *ZERO TOLERANCE* policy for any behavior that is disruptive and prevents classroom learning. This includes, but is not limited to, ANY use of vulgar language or rude behavior towards the instructor or any other student in the class. Violation could result in being asked to leave the class, withdrawal from the course, &/or investigation by the Dean of Students.

Cell Phone Policy

During lecture, cell phones should be on silent (not vibrate) and not be used during the class. During testing, cell phones should NOT be VISIBLE and put on silent (not vibrate).

If a cell phone or any other electronic device is visible, regardless if it is used, it will result in a zero for the assignment and reported to the Dean of Students as academic dishonesty and could lead to being withdrawn from the course with a grade of "F".

Disability Act Statement:

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Larry Andrews at 903-823-3283, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to the instructor so we can discuss the accommodations that you might need for this class. *It is best to request these changes at the beginning, if not before the start, of class* so there is ample time to make the accommodations.

Financial Aid:

Attention! Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

CHEM II - LAB

I, (print your name) _____ have read and understand the above information regarding what is expected of me, the grading scale, attendance policy, and financial aid. If any concerns arise, I understand the first person I need to speak with is my instructor, Karin Grisham.

Student signature

CLASS TIME: _____

COURSE & SECTION _____