



Syllabus: **General Chemistry II Lab**

Course Number: **CHEM 1112**

Instructor Information

Name: **M. Sheets**

Office: **Chemistry 201**

Telephone: **903-823-3359**

E-mail: **mike.sheets@texarkanacollege.edu**

Office Hours: **see posted hours**

Textbook/Materials Information

Laboratory Guide for Chemistry 1112 (TC bookstore)

Scientific calculator (TI-30XA is sufficient)

Approved Chemical Splash Goggles

Student Learning Outcomes for the Course

Learning Outcomes: The learning outcomes for Chemistry 1112 are published by the Texas Higher Education Coordinating Board and are available from the Lower-Division Academic Course Guide Manual. Specific laboratory objectives 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.
9. Identify appropriate sources of information for conducting laboratory experiments involving principles of chemistry.

Student Assessment

Your labs will be graded on how well you have completed the prelabs, the lab reports, and how conduct the lab exercise itself. Each lab grade will be recorded and averaged with the others. At the end of the semester your grade will be based on the following scale.

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

The following topics are those we will tentatively cover this semester, along with others to be determined.

1	Lab Check-In and Safety	
2	Molar Mass of Gases	
3	Molecules and Diffusion	
4	Conductivity and Analysis of Electrolyte Concentration	
5	Solutions, Freezing Point Depression and K_f	
6	Kinetics of a Chemical Reaction	
7	Energy of Activation of a Chemical Reaction	
8	Acid Content of Commercial Vinegar	
9	Analysis of Household Ammonia	
10	Analysis of Bleaching Agents	
11	Determining the Value of K_{sp}	

Class Schedule

Class will meet at assigned times for 2 hours and 50 minutes per session. Please plan accordingly

Absentee Policy

Texarkana College's absentee policy allows instructors to withdraw a student from a course due to excessive absences. If a student leaves and returns during class or leaves the class before the class is over, he/she **may** be considered absent. Three tardies constitute one absence. It is the student's responsibility to check the syllabus for each instructor's tardy policy.

In some workforce/vocational areas, such as nursing and cosmetology, certification requirements necessitate an absentee policy that is more stringent than the institutional policy. In these instances, the matter of certification takes precedence over local policies, since certification policies are established by the State of Texas.

Faculty members **are not** obligated to provide opportunities for students to make-up missed assignments and tests as a result of a student's absence from class. The institution is not required to take attendance with the exception of workforce/vocational areas, where certification requirements require taking attendance. However, experience demonstrates that regular attendance enhances academic success. As such, students are expected to attend each meeting of their registered courses.

A student should not stop attending a class without formally withdrawing from the course by the institutions published Last Day for Students to Drop. If a student stops attending class after the published Last Day for Students to Drop, the student **may** receive a grade of "F" in the class. The instructor will submit the last date of attendance for students receiving a grade of "F" or "W".

Withdrawal from a course(s) **may** affect a student's current or future financial aid eligibility. Students should consult the Financial Aid Office to learn both short and long term consequences of a withdrawal.

Excused Absences

A student's absence due to school trips and/or school business will not be counted against a student's allowable number of absences. Military duty and absences for Holy Days (FBD LEGAL) are covered in a separate section of the catalog and the student handbook. These are the only excused absences that are considered by Texarkana College. Responsibility for work missed for any absence is placed on the student. Instructors are required to allow students to make up work missed if the absence is due to military duty* or religious holy days when students follow the correct notification procedures. Instructors are not required to allow students to make up work for absences due to other reasons. Make-up policies are listed in each individual instructor's syllabus.

Maximum Allowable Absences

After official registration, the following number of unexcused absences will be the maximum allowable before a student **may** be dropped from the class. Mandated program certification requirements detailed for certain programs regarding the maximum allowable unexcused absences takes precedence over the following information.

A COURSE THAT MEETS FOR THE FULL 16 WEEK SEMESTER	
Class or Lab Meets:	An instructor may withdraw a student from a course if absences exceed:
Once a week (Night / Friday classes)	2
Twice a week (MW or TTh classes)	4
Three times a week (MWF or TThF classes)	6
Four times a week (MTWR classes)	8
	Three tardies count as one absence

CHEM 1112 Attendance Policy

Students are expected to attend and participate in class. While it is recognized that there are many valid reasons for missing class, it must be remembered that if you miss class, you will miss discussion or lab work important to you. Excessive absences **may** lead to your being dropped from class. **You are allowed two (2) absences from lab.**

CHEM 1112 Make-up Policy

There will be no opportunity for making up a missed lab. One lab grade will be dropped.

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/PDFFiles/CurrentStudents/studenthandbook.pdf>.

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 me 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.

Please observe the college rules concerning food, drinks, and smoking. ***NO food or drinks will be allowed in the laboratory.*** Please observe the college rules concerning food, drinks, and smoking. The use of tobacco products, including smokeless tobacco and electronic cigarettes, is prohibited on campus.

Cellular phones are not to be seen or heard in class. If your phone (or pager) rings, you **may** be asked to leave class. If you need to be contacted during class for an emergency, the number for the **TC campus police is 903-798-3330.** In an emergency, someone can call this number and the campus police will come and get you out of class. In case of an emergency at TC, I am required to have my cell phone in class so we will be notified in case a RAVE alert is issued.

Please be aware of the guidelines for conduct as stated in the college catalog and student handbook. Students must conduct themselves so other students are not distracted from the pursuit of learning. Discourteous or unseemly behavior will not be tolerated. Faculty members, staff and other students are to be treated with courtesy and respect. If unacceptable behavior occurs, the student may be asked to leave the classroom and may be subject to disciplinary action up to and including being dropped from the class with a grade of "F".

If you do not have a scientific calculator, I recommend a **Texas Instruments TI-30 XA.**

If you email me, please put CHEM 1112 in the subject line.