



TEXARKANA COLLEGE

Syllabus: General Chemistry I - LAB

Course Number: Chemistry 1111

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| Instructor Information: Karin Grisham, Asst. Professor Office Location: Biology Building Room 111 Phone Number: 903-838-3293 Email Address: Karin.grisham@texarkanacollege.edu | Office Hours: TBD |
| Important Websites: Student Grades & Course Calendar can be found through myTC. Student Handouts can be found at myTC through the Moodle portal at www.texarkanacollege.edu | |

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| Class Schedule: | |
| Lab: Chemistry Bldg. Room 220 | |
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Course Description: Chemistry 1111 covers the fundamental facts, laws, principles, theories, and concepts of chemistry necessary for further work in science or science-related subjects. The course stresses chemistry laboratory skills which include safety, density, molecules and compounds, emission spectra, absorption spectrum, enthalpy and molar mass. The course has a college credit of 1 hour.

Prerequisites: Students are expected to have completed either pre-calculus in high school or college algebra. It is helpful to have had one or more years of high school chemistry or an introductory course in college chemistry. Students who cannot meet these requirements need the permission of the professor to enroll.

Required Textbooks: The [Chemistry 1111 Laboratory Manual](#) is available in the Texarkana College Book Store.

Lab: Chemistry 1111 lab meets for a total of 3 hours a week for fourteen weeks. The format involves performing lab activities that support many concepts. The grade for the lab portion of the course is determined from a combination of scores on ten or more pre-lab assignments and lab write-ups.

Tentative Lab Schedule:

| Week | Lab Activity | |
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| 1 | Safety | |
| 2 | Equipment | |
| 3 | Lab 1 – Observation & Experimentation | |
| 4 | Lab 2 – Measurement & Accuracy | |
| 5 | Lab 3 – Density Determination | |
| 6 | Lab 4 – Separation of a Mixture | |
| 7 | Lab 5 – Determination of Molarity – Part 1 | |
| 8 | Lab 6 – Determination of Molarity – Part 2 | |
| 9 | Lab 7 – Determining Percent Hydrate | |
| 10 | Lab 8 – Empirical Formula of Magnesium Oxide | |
| 11 | Lab 9 – Gravimetric Analysis of a Metal Carbonate | |
| 12 | Lab 10 – Left Over Aluminum Wire – Stoichiometry | |
| 13 | Lab 11 – Specific Heat | |
| 14 | Lab 12 – Enthalpy of Reaction – Hess’s Law | |
| 15 | Lab Drawer Break Down and Check Out – Learning Objective Exam | |

Lab: Students are required to complete the data sheets, graphs and answer questions provided in the lab manual. Grades will be determined based on accuracy and completeness of answers. Calculations should be shown as well as units for all numbers. Rounding answers to the correct number of significant digits where appropriate, will also be graded. Completed lab assignments will be due no later than the next class period.

Final Course Grade: The final course grade is determined by averaging all the lab write-ups. The lowest Lab Grade will be dropped.

Tutoring: Texarkana College Student Support Services has tutors available to assist chemistry students that need help with the course. They can help with the completion of homework assignments and pre-laboratory assignments. These tutors are typically available in the Chemistry Building. Schedules will be posted.

GENERAL COURSE POLICIES

Attendance Policy: You are required to attend lab sessions. Success in college level courses is often closely correlated with classroom attendance and participation. The role will be called and a list of those absent maintained. If you make a grade of “F” for whatever reason the last day you attended class based on the class role will be recorded on the final grade sheet. This may impact your scholarships and future funding. It is possible that you will be asked to return money based on this date. Attendance is mandatory. Students who miss more than four labs will be dropped from the class unless other arrangements are made with the instructor. You may keep track of your absences via myTC.

Any lab missed will result in a grade of zero for that lab activity. Lab will NOT be allowed to be made up. Please discuss absences with your instructor. I will drop the lowest lab grade.

Classroom Behavior: In general, lectures and laboratories are conducted in a rather open fashion with adequate opportunity for students to interact with their instructors and with each other about chemistry. Excessive talking between students or other behavior that becomes a distraction to the instructor or class members will result in the student(s) being asked to leave the class. Please mute any electronic devices before attending course lectures. General behavior for students on campus is reviewed in the Texarkana College Catalogue and the Texarkana College-Student Handbook (<https://www.texarkanacollege.edu/>)

Missed Examinations: If you know in advance that you are going to miss an examination it is best to arrange with the instructor to take the examination early. If you miss an examination for reasons beyond your control, you should contact the instructor as soon after as feasible to make arrangements to take the examination.

Withdrawal Policy: If you wish to drop the class, please do so yourself. The instructor will not be responsible, unless you make a specific request prior to the drop deadline. The drop deadline for each semester is can be found in the Texarkana College Catalogue (<https://www.texarkanacollege.edu/>). After the drop deadline the student that fails to complete the class with a satisfactory grade will receive a grade of "F". The student's final attendance date will be reported with the grade of "F".

Testing Center Policy: During the semester you may be asked to take examinations in the Texarkana College Assessment and Testing Center located in Room 11 of the Business and Computer Technology Building. The hours of operation, policies and procedures for the testing center can be found on the Texarkana College Web Page at <https://www.texarkanacollege.edu/>. The policies of the Texarkana College Assessment and Testing Center must be studied and closely followed.

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 the TC Testing Center, as well as off-campus classrooms or lab sites. For more information students should refer to TC Student Handbook.

Cell Phone Policy: During lecture, please put cell phones on silent in order to prevent others from being distracted. During tests and quizzes, cell phones MUST NOT BE VISIBLE. During tests and quizzes, if a student has a cell phone visible or is seen using a cell phone or other electronic device, the student will receive a grade of zero and will be turned in for academic dishonesty. It is possible that the student may be automatically 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, present it 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. See Texarkana College Catalogue at: <https://www.texarkanacollege.edu/>

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

CHEM LAB 1111

I, (print your name) _____ have read and understand the above information regarding what is expected of each student, grade requirements for the class, absence policy, and financial aid. If any concerns arise, I understand the first person I need to speak with is my instructor.

Student signature

Course: _____

Course Meeting Times: _____