TEXARKANA COLLEGE

Syllabus: General Chemistry I
Course Number: Chemistry 1311

Instructor Information:	**Office Hours:**
Karin Grisham, Asst. Professor Office Location: Biology Building Room 111 Phone Number: 903-838-3293 Email Address: karin.grisham@texarkanacollege.edu	TBD

Important Websites:
Student Grades & Attendance: Located through the my TC website www.texarkanacollege.edu Student Handouts: Located on the Moodle Course Page through my TC website

Required Materials:
Internet Access (you are welcome to use the computers in the library and computer labs on campus) Openstax Textbook: https://openstaxcollege.org/textbooks/chemistry Scientific Calculator (please do NOT purchase a 'CASIO CHEMISTRY' calculator unless you already know how to use it) Problem Sets (ONLY available in the TC Bookstore) Sapling Learning Homework Site: http://www2.saplinglearning.com/

Class Schedule:			**FINAL EXAM DATE**
Chem 1311 (Lecture)	Room: Chemistry Building Room 224		
	Room: Chemistry Building Room 224		
	Room: Biology Building Room 224		

Chem 1111 (Lab)	Room: Chemistry Building Room 220	

** If you have a conflict with attending your regular class time, you have the option of attending one of the other times listed ***BUT YOU MUST INFORM YOUR INSTRUCTOR PRIOR!***

Course Description: Chemistry 1311 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 basics, stoichiometry, atomic structure, periodic properties of matter, chemical bonding, molecular geometry of organic and inorganic molecules, and the states of matter. Chemistry 1311 is only a lecture session and laboratory sessions. Students who enroll in Chemistry 1311 enroll in a lecture section.

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 1311 textbook is Openstax Chemistry. The ISBN number is 1938168399. This book can be acquired for FREE at the link provided above in PDF or web version. A print version is currently not available.

Homework Site: You will have homework that will be assigned through the Sapling Learning website (see above for the website). The homework be part of your grade in this course.

Lecture: The format involves typical lecture presentations supported by electronic displays and numerous live chemical demonstrations that support the topics under discussion. The lecture electronic material is available on the campus Moodle Page along with other activities that support many concepts. The grade for the lecture portion of the course is determined from a combination of scores from Chapter Tests, Online Homework, Daily Quizzes and a Final Exam.

Tentative Schedule:

WEEK	LECTURE CONTENT & TEST SCHEDULE	QUIZZES	HOMEWORK ASSIGNMENT	LAB ACTIVITY *Break ~ as lab allows*
Week 1	Ch 1 – Matter & Measurement	Weekly Quiz #1	Sapling Homework	Safety Video/Notes **SAFETY CONTRACT** **SAFETY QUIZ (in testing center)**
Week 2	EXAM 1 – Ch 1 – Matter & Measurement Ch 2 – Atoms, Molecules & Ions	Weekly Quiz #2	Sapling Homework	Lab Drawer Set Up & Equipment Identification **EQUIPMENT QUIZ (in testing center)**
Week 3	Ch 2 – Atoms, Molecules & Ions	Weekly Quiz #3	Sapling Homework	Lab #1 Observation & Experiment
Week 4	EXAM 2 – Ch 2 – Atoms, Molecules & Ions Ch 3 – Composition of Substances	Weekly Quiz #4	Sapling Homework	Lab #2 Measurement & Accuracy
Week 5	Ch 3 – Composition of Substances EXAM 3 – Ch 3 – Composition of Substances	Weekly Quiz #5	Sapling Homework	Lab #3 Density Determination

Week 6	Ch 4 - Stoichiometry	Weekly Quiz #6	Sapling Homework	Lab #4 Separation of a Mixture
Week 7	Ch 4 – Stoichiometry EXAM 4 – Ch 4 - Stoichiometry	Weekly Quiz #7	Sapling Homework	Lab #5 Determination of Molarity of Copper(II) Sulfate PART 1
Week 8	Ch 5 - Thermochemistry	Weekly Quiz #8	Sapling Homework	Lab #6 Determination of Molarity of Copper(II) Sulfate PART 2
Week 9	EXAM 5 – Ch 5 – Thermochemistry Ch 6 – Electron Structure & Periodicity	Weekly Quiz #9	Sapling Homework	Lab #7 Determining Percent Water in a Hydrate
Week 10	Ch 6 – Electron Structure & Periodicity	Weekly Quiz #10	Sapling Homework	Lab #8 Empirical Formula of Magnesium Oxide
Week 11	EXAM 6 – Ch 6 – Electron Structure & Periodicity Ch 7 – Bonding & Molecular Geometry	Weekly Quiz #11	Sapling Homework	Lab #9 Gravimetric Analysis of a Metal Carbonate
Week 12	Ch 7 – Bonding & Molecular Geometry Ch 8 – Valence Bond Theory & Hybridization	Weekly Quiz #12	Sapling Homework	Lab #10 Left Over Aluminum Wire
Week 13	EXAM 7 – Ch 7 & Ch 8 Ch 9 - Gases	Weekly Quiz #13	Sapling Homework	Lab #11 Specific Heat
Week 14	Ch 9 - Gases	Weekly Quiz #14	Sapling Homework	Lab #12 Enthalpy of Reaction (Hess's Law)
Week 15	EXAM 8 – GASES Ch 11 – Solutions & Colloids	Weekly Quiz #15	Sapling Homework	Lab Drawer Break Down Learning Objective Test
Week 16	EXAM 9 - FINAL EXAM COMPREHENSIVE (Ch1-11, omit ch 10)			NO LAB

Homework: Students are expected to complete homework assignments. The assignments are available through the Sapling Learning Website. Each homework assignment should be completed prior to the subject area examination in order to help best prepare for the test. The home work will be assigned a grade and the average grade on the homework assignments counts as 20% of the total course grade. The lowest homework assignment will be dropped. All homework needs to be completed PRIOR to Finals Week. Anything not completed by that time will be entered as a ZERO.

Quiz: Students are required to take quizzes over content that has been presented in class. Quizzes will be announced well in advance and students will be allowed to use notes and textbooks *on most* but not all quizzes. Quizzes will count 30% of the total course grade. Quizzes will be given 15-20 minutes at the end of the class. The lowest quiz grade will be dropped. Not all quizzes will be given in class, some will be taken through the Moodle Website. If you miss a

quiz that was taken in class, you will need to go to the Testing Center to make that quiz up. Any missed quizzes will need to be completed PRIOR to the weeks of finals. Any missed quizzes not made up during that time, will be entered as a ZERO.

Tests: There will be 9 exams which cover chapters 1-11 (excluding ch 10), in the Chemistry Openstax Textbook. The 9th Exam (also known as the FINAL EXAM) will be comprehensive. All tests will be taken in the classroom at the regularly scheduled time, unless told otherwise. *If you miss a test, then there will be a test available for you to take in the Testing Center – you do not need to ask me about it, just go and take the test.*
Each test will be passed back the next time class meets. Test grades will be posted within 24-48 hours after the test. Please do not e-mail me about your test grade. When I have them graded, I will post them in the TC Gradebook. We will go over the test and I will answer any questions you have. If you are not satisfied with your test grade, you have the opportunity to re-take a different version of the test *in the testing center*. I will take the HIGHER of the two grades. The test will be available to be re-taken until the last week of class. No re-takes or make-up exams will be available during finals week! Any missing work or re-takes will need to be completed PRIOR to final exams week. I WILL NOT DROP THE LOWEST TEST GRADE!
If you miss a test, then you only have one chance to take the test – you will *not* be allowed a re-take.

Testing Center: The Testing Center is located in the LIBRARY
Phone: 903-823-3278
https://www.texarkanacollege.edu/academics/testing-center/

August 15 thru September 4	Open	Close
Monday	8:30a	6p
Tuesday	8:30a	6p
Wednesday	8:30a	6p
Thursday	8:30a	6p
Friday	8:30a	3p
Saturday	–	–
Sunday	–	–

September 7 thru December 16	Open	Close
Monday	10a	8p
Tuesday	10a	8p
Wednesday	10a	8p
Thursday	10a	8p
Friday	8:30a	3:30p
Saturday	–	–
Sunday	2p	6p

**** Testing Center hours are subject to change. DO NOT WAIT until the last minute to complete assignments. PLAN AHEAD!!**

In order to take a Test or Quiz in the testing center you will need the following:

(1) Current Student Picture ID or Driver's License
(2) Name of the Instructor (Karin Grisham)
(3) Name and Section of the course.
(4) Name of the Test or Exam (ie: Test 1 or Quiz 3)
(5) Calculator (be prepared to have it cleared)
(6) Periodic table with whatever you choose to have written on it (this will be kept and not returned to you)

Please be aware that ANY EXAM OR QUIZ taken in the testing center will have a delay in grading and posting of the grade! You will NOT get the test or the quiz returned since they will be computerized exams/quizzes.

Final Course Grade: The final course grade is determined by combining the test, quiz and homework grade together in the following manner:

Grade Category
Chapter Tests & Final (50%)
Homework (20%)
Quiz (30%)

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. They are located in the Library.

Learning Outcomes: The learning outcomes for Chemistry 1311 are published by the Texas Higher Education Coordinating Board and are available from the Lower-Division Academic Course Guide Manual (ACGM). The learning outcomes are as follows:

1. Define the fundamental properties of matter.
2. Classify matter, compounds, and chemical reactions.
3. Determine the basic nuclear and electronic structure of atoms.
4. Identify trends in chemical and physical properties of the elements using the Periodic Table.
5. Describe the bonding in and the shape of simple molecules and ions.
6. Solve stoichiometric problems.
7. Write chemical formulas.
8. Write and balance equations.
9. Use the rules of nomenclature to name chemical compounds.
10. Define the types and characteristics of chemical reactions.
11. Use the gas laws and basics of the Kinetic Molecular Theory to solve gas problems.
12. Determine the role of energy in physical changes and chemical reactions.
13. Convert units of measure and demonstrate dimensional analysis skills.

GENERAL COURSE POLICIES

Attendance Policy: You are required to attend lecture sessions. Success in college level courses is often closely correlated with classroom attendance and participation. Role will be called and a list of those absent maintained. You can check your attendance in myTC under "Grades and Attendance". 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 lectures may be dropped from the class unless other arrangements are made with the instructor. You may keep track of your absences via myTC.

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/)

There will be a *ZERO TOLERANCE* policy for any behavior that is disruptive and/or prevents or deters 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.

Missed Assignments: 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. All missed or make-up tests and assignments will be put in the testing center and should be taken as soon as feasibly possible. There will be a delay in grading and posting for any missed assignment.

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.

General Chemistry I

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 _____