



COURSE SYLLABUS

COURSE NAME, PREFIX, NUMBER: INTRODUCTORY CHEMISTRY I, CHEM 1010

CAMPUS NAME AND ADDRESS

Central Louisiana Technical College

CREDIT HOURS: 3

LECTURE HOURS: 3

LAB HOURS: 0

CONTACT HOURS: 45

INSTRUCTOR:

TBD

INSTRUCTOR INFORMATION:

TBD

COURSE DESCRIPTION

Introduction to chemistry for non-science majors. Fundamentals of chemistry, covering the basic topics of general, inorganic, organic, nuclear, and biochemistry, including nomenclature, atomic structure, chemical equations and stoichiometry, gas laws, bonding, energy relationships and solutions, and quantitative problem solving. [Common Course Number CCEM 1103]

(3/0/3)

PREREQUISITES

Eligibility for MATH 1015.

OUTCOMES

As a result of successful completion of this course, the student will be able to:

1. Demonstrate an understanding of and solve problems related to measurements, dimensional analysis (conversions), and matter
2. Demonstrate an understanding of and solve problems related to atomic structure, the periodic table, chemical reactivity
3. Demonstrate an understanding of and solve problems related to chemical bonding, compounds and nomenclature
4. Demonstrate an understanding of and solve problems related to states of matter (gas laws, liquids, solids)
5. Demonstrate an understanding of and solve problems related to moles and solutions including molarity, percent solution, and colligative properties including osmotic pressure

6. Demonstrate an understanding of and solve problems related to equilibrium
7. Demonstrate an understanding of and solve problems related to acids and bases, pH, and buffers
8. Demonstrate an understanding of and solve problems related to radioactivity
9. Demonstrate an understanding of and solve problems related to functional groups and carbon backbones
10. Demonstrate an understanding of and solve problems related to functional groups in biomolecules and simple biochemical reactions

REQUIRED TEXTBOOKS

Open Education Resources

ADDITIONAL MATERIALS/RESOURCES

Provided by instructor

GRADING CRITERIA

90-100 A

80-89 B

70-79 C

60-69 D

Below

GRADING SCALE

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

SECTION

Z01

TERM

Fall

ATTENDANCE

Students must be officially enrolled in any course that they attend. It is expected that students will attend scheduled classes regularly and on time. If an absence occurs, it is the responsibility of the student to make up all missed work, if approved by the instructor. Students who stop attending a course and do not officially withdraw will receive grades of "0" for all work missed and will result in a punitive final grade. This policy shall be superseded by any more stringent attendance policy required by a regulatory or licensing body having jurisdiction over program requirements. Attendance will be tracked and maintained for various reporting purposes.

CLASS WITHDRAWAL POLICY

The deadline for dropping a class is published each semester on the CLTCC website in the academic calendar. A student who officially withdraws from a class prior to the designated date will receive a grade of "W" in that class. Any student who receives financial aid and withdraws from any or all classes is subject to repaying a portion of the funding received.

ACADEMIC HONESTY

The faculty of Central Louisiana Technical College supports the concept of academic honesty. The teaching faculty encourages academic honesty in all classes and we require academic honesty from all students. All students are expected to maintain honesty and integrity when completing all academic assignments and examinations. Plagiarism, cheating, and other forms of academic dishonesty will not be tolerated. Any student found guilty of such dishonorable acts in academic work will receive a "0" for the work presented. The instructor may also refer the student to the appropriate administrator for further disciplinary actions, which could result in an "F" in the course, dismissal from the course, or dismissal from the college.

STUDENT CODE OF CONDUCT

Students will be suspended for actions detrimental to the welfare of other students, instructors, staff, and the campus. These actions include, but are not limited to: Firearms and/or weapons, alcoholic beverages, and illegal drugs will not be permitted on campus. Profanity and fighting are strictly prohibited. Smoking or use of any other tobacco products is prohibited. Students must not eat or drink beverages in classrooms or labs. Vandalism will not be permitted on campus. Dishonesty will not be tolerated under any circumstances. Students who cheat, or aid in the act thereof, may be dismissed from campus. Students must display a respectable attitude and behavior toward instructor and other students. The college has a Zero Tolerance Policy, meaning the campuses should be completely free of threats and assaults to ensure the highest standard of safety for all faculty, staff, students, and visitors on each campus. The college will take all reasonably available steps to protect all such persons from violence. Violators of the Zero Tolerance Policy will be suspended.

Title IX

Central Louisiana Technical Community College faculty and staff are committed to helping create a safe and open learning environment for all students. If you (or someone you know) have experienced any form of sexual misconduct, including sexual assault, dating or domestic violence, or stalking, know that help and support are available. The College strongly encourages all community members to act, seek support, and report incidents of sexual misconduct to the Title IX Office. Be advised that we must disclose information about misconduct as per Title IX of the Education Amendments of 1972.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact the Title IX Coordinator for Students at 318-487-5443 ext. 1129. If it is an ADA issue, you can contact CLTCC's ADA Coordinator for Students at 318-487-5443 ext. For more information about reporting options and resources at CLTCC and the community, visit our Title IX page. Please complete the following Incident Report by clicking [here](#) to report the incident. Under "*Nature of this Report*," choose Title IX or Disability Service Request regarding a Reasonable Accommodations issue.

Diversity and Inclusion

Each of you brings a unique perspective to this course and, as such, the Central Louisiana Technical Community College faculty endeavors to create a learning environment that supports a diversity of thought and experiences. Diversity can refer to the many ways that we identify ourselves, including but not limited to age, disability, race and place of origin, religious beliefs, and sexuality and gender identity. We encourage, celebrate, and support each of these diverse identities, as well as those not mentioned. We strive to provide an environment where everyone feels welcomed, valued, and respected. However, incidents of bias or discrimination do occur, whether intentional or unintentional. These acts contribute to an unwelcome environment. Therefore, the college encourages anyone who experiences or observes unfair or hostile treatment to speak out. To report any incidents, please speak to your instructor or contact a member of the CLTCC DEI Committee: <https://cltcclibrary.cltcc.edu/dei/deicommitee>. Please remember that we are all continuing to learn and grow, and the only way to do so is to treat each other with grace and respect.

DISCIPLINARY PROBATION

A student may be placed on disciplinary probation when campus rules and policies are disregarded. When a student is placed on disciplinary probation, the student is given a specified time to improve one's record. If the student's record does not show improvement, the student may be suspended for a specific time, usually a semester or more.

STUDENTS WITH DISABILITIES

The Central Louisiana Technical College complies with Section 504 and the Americans with Disabilities Act. Students with disabilities who seek accommodations must make their requests known by contacting the Disabilities Coordinator at the beginning of each semester. If a disability is identified later in the semester, a non-retroactive accommodation plan will be developed.

COURSE TRANSFERABILITY

A student should contact the institution to which he or she intends to transfer to inquire about the potential transferability of the course and to determine whether the course will count in his or her major.

INSTRUCTOR CREDENTIALS

All instructors for this course meet or exceed the criteria for academic and professional preparation as required in the SACS/COC standards for accreditation.