



General Chemistry I

CHEM 1001.001, 1001.002, and 1001.003

Laboratory Syllabus: Fall 2017

"Northeast Texas Community College exists to provide responsible, exemplary learning opportunities."

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	Monday	Tuesday	Wednesday	Thursday	Friday	Online
Dr. Murphy's Office Hours	8:00 – 9:30 11:00 – 12:30	8:00 – 9:30	8:00 – 9:30 11:00 – 12:30	8:00 – 9:30	by appointment	via NTCC email
Dr. Hearron's Office Hours	9:00 – 10:30	9:00 – 12:20	9:00 – 10:30	9:00 – 12:20		via NTCC email

The information contained in this syllabus is subject to change without notice.

Students are expected to be aware of any additional course policies presented by the instructor during the course.

Course Description:

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering. Topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and introductions to thermodynamics, quantum mechanics, and descriptive chemistry.

Successful completion (final grade of C or better) of CHEM 1411 will allow the student to continue on to CHEM 1412.

Prerequisite: MATH 1314, equivalent, or above.

Required Textbooks & Materials:

Lab Manual for CHEM 1411 – Experiments in General Chemistry I
NTCC Printing, only available in NTCC College Store

Lab Safety Glasses/Goggles:

Approved safety glasses are available in the college store, and many safety glasses and safety goggles are also available from online retailers. **Always check with your instructor before purchasing eye protection from somewhere other than the college store.**

Safety glasses may be rented from the instructor for the cost of five (5) points deducted from the experiment grade. **After September 19, students arriving to lab without proper safety glasses will not be allowed to participate in the experiment and will receive a grade of zero for that experiment.**

Scientific Calculator:

A scientific calculator is required for this course. A model TI-30Xa is recommended. You will NOT be allowed to use a graphing calculator, programmable calculator, or cell-phone calculator during any exam in this course.

Laboratory Experiments:

There will be 12 experiments performed during the laboratory periods over the course of the term. Any experiments not completed and turned in will receive a grade of zero. A total of 9 experiments must be completed and receive a non-zero grade in order to pass this course. A schedule of experiments will be provided as a separate handout. In addition, a Lab Practical, including a written report, is required as part of the laboratory portion of the course.

Laboratory Conduct and Attire:

Students are expected to adhere to the guidelines set forth in the “Commitment to Laboratory Safety Pledge” and in the safety video. In addition, students must wear long pants covering their ankles, closed shoes (no exposed skin or sock), shirts that cover their shoulders, and approved safety glasses/goggles at all times in the lab. Long hair should be pulled back. Failure to follow laboratory safety protocols could result in injury to yourself or others and will result in reduction of your laboratory grade.

Students not dressed appropriately for lab will be asked to leave and will earn a grade of zero on that experiment.

Evaluation/Grading Policy:

The laboratory portion of the course counts towards 30% of your overall course grade.

11 of 12 Regular Experiments	80%
Lab Practical	10%
Behavior, Safety, & Teamwork	10%
Total	100%

Regular Experiments will be graded as follows:

Prelaboratory Assignment	25 points
Results & Questions	75 points
Total	100 points

Prelaboratory Assignments accompany each experiment and must be completed prior to the laboratory period. Prelaboratory Assignments are due at the beginning of the laboratory period. Students not turning in a complete Prelaboratory Assignment will not be allowed to participate in that experiment and will receive a grade of zero on that experiment. Unless otherwise stated, Regular Experiment reports are due at the end of the laboratory period. The Regular Experiment with the lowest score will be dropped during final grade calculations.

Questions in the lab reports that require written answers must be answered in complete, thoughtful sentences. Failure to do so will result in loss of points. Calculations in the lab report must show all of the steps necessary to generate the answers provided, including proper use of units and significant figures. Failure to do so will result in loss of points. Lab reports that are sloppy and/or illegible will not be graded; although, some points may be earned for completing the experiment.

Copying answers on any work will not be tolerated. Prelaboratory Assignments and Lab Reports that appear to have answers copied from other students or internet sources or that appear to have cheated in any way will have substantial point reductions and may receive a grade of zero on that experiment.

Lab Practical:

A Lab Practical is required and is worth 10% of the laboratory grade. This will involve designing and conducting an experiment and writing a lab report about the experiment. More details will be given during the laboratory periods and can be found in the lab manual.

Student Responsibilities/Expectations:

Purchase of a simple, scientific calculator is required.

You must bring a calculator with you to every laboratory period.

You are expected to attend all laboratory periods. There is no make-up experiment, and failing to attend lab will earn you zero points for that experiment. “I have to work” is not an acceptable excuse for missing a laboratory period. Leaving lab early is not permitted; students leaving lab before the experiment is completed may earn a grade of zero on that experiment.

Use of cell phones is prohibited during lab time. Students using phones during lab will have their phone confiscated and will lose points on that experiment or will be asked to leave lab and will earn a grade of zero for that experiment.

Like all colleges, Northeast Texas Community College strives to be a “community of scholars.” Please remember that you and all of the students in this class are pursuing very important goals in your lives. As human beings and as scholars, I expect every student to be courteous and considerate toward other students throughout the lecture and laboratory portions of this course.

Tuesday, November 21 is the last day to withdraw from the course with a grade of “**W**”. Students who withdraw from the lecture must also withdraw from the lab. If you stop attending class and fail to officially withdraw, expect to earn a grade of “**F**” in the course.

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics:

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with Shannin Garrett, Academic Advisor/Coordinator of Special Populations located in the College Connection. She can be reached at 903-434-8218. For more information and to obtain a copy of the Request for Accommodations, please refer to the NTCC website - Special Populations.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.