



UNIVERSITY OF NORTHERN COLORADO

Extended Campus

College of Natural & Health Sciences
Department of Chemistry & Biochemistry

UNC Dual Enrollment at Bennett High School

CHEM 111L-674 Principles of Chemistry I Laboratory (1 credit; LAC, gtP*)
Spring 2021

******This syllabus has been adopted from UNC Chemistry 111 Lab syllabus******

Mrs. Jennifer Goodnight

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Office Hours: TBD

Catalog Description:

Laboratory to accompany CHEM 111.

Purpose: This course will provide the student with common chemistry experiments that coincide with the material covered in the Chemistry 111 lecture course. The course will also encourage the student to be an independent problem solver who is able to evaluate experimental error and offer alternative methods and procedures to accomplish the goal of the experiment.

Safety: Safe laboratory practices will be emphasized at all times. Goggles will be worn whenever lab work is conducted. You are expected to follow the safety guidelines. Remember to ask me for clarification on directions when not clear.

Grading: Your grade will consist of: (1) laboratory notebook, which includes all pre-lab assignments, data analysis, and conclusions, (2) work in the laboratory, and (3) quizzes.

90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	F

Note: You will need a lab notebook and calculator for the course.

Tentative Lab Experiments:

1. Molecules, atoms and particles
 2. Determining the Density of a gas and irregular objects
 3. Density, Graphing, and Dimensional Analysis
 4. Density of CO₂
 5. Determination of the Empirical Formula of Magnesium Oxide
 6. Mole Ratio of Reactants
 7. Precipitation Reactions
 8. Acid-Base Titrations: Analysis of Stomach Acid Tablets
 9. Specific Heat of a Metal
 10. Thermochemistry and Hess's Law
 12. Periodic Trends
 13. Liquid (Column) Chromatography
 14. Molecular Geometry
 15. Molecular Mass of a Liquid
 16. Molar Volume of a Gas
- Check out and final exam

Academic Honesty:

Be honest and do your own work. It is all right to collaborate with a lab partner, but copying work is not allowed.

Examples of academic misconduct include:

- Copying lab reports
- Making up data
- Cheating on quiz/tests

If you are found cheating you will receive a zero on the assignment, repeated occasions may result in removal from the course.

Students with Disabilities- Any student requesting disability accommodation for this class must inform the instructor giving appropriate notice. Students are encouraged to contact the Bennett High School counseling office to certify documentation of disability and to ensure appropriate accommodations are implemented in a timely manner.

UNC Policies:**Honor Code:**

All members of the University of Northern Colorado community are entrusted with the responsibility to uphold and promote five fundamental values: Honesty, Trust, Respect, Fairness, and Responsibility. These core elements foster an atmosphere, inside and outside of the classroom, which serves as a foundation and guides the UNC community's academic, professional, and personal growth. Endorsement of these core elements by students, faculty, staff, administration, and trustees strengthens the integrity and value of our academic climate. For more information, refer to the Dean of Students' website:

<http://www.unco.edu/dean-of-students/>.

***Liberal Arts Core & Colorado gtPathways:**

This course satisfies 1 credit of Area 6 (Physical & Life Sciences) of the UNC Liberal Arts Core. This course has been approved by the Colorado Commission on Higher Education for inclusion in the Colorado Guaranteed Transfer Program, gtP. gtP courses automatically transfer to any public institution in Colorado and will continue to count toward general education or other graduation requirements for any liberal arts or science associate or bachelor's degree program If a grade of C- or higher is recorded.

Statewide articulation agreements prescribe specific general education and degree requirements in the following professional degree programs: business, early childhood, elementary education, engineering and nursing. Most other courses not approved for the gtP designation will also be accepted in transfer by other institutions but may not fulfill general education or degree requirements.

Dropping or Withdrawing from a Course:

Note: Drop and withdrawal dates for the courses at your school can be found on your [dual enrollment page for your high school](#).

Please use the [Dual Enrollment Drop & Withdrawal Form](#).

- You can drop your course up until the designated Drop Deadline. The course will be removed from your transcript and you will receive a full tuition refund.
- After the Drop Deadline and up until the Withdrawal Deadline you can withdraw from your course. The course will remain on your transcript with a grade of “W” (this does not impact your GPA), and there is no tuition refund.
- After the withdrawal deadline you are unable to be removed from the course. The course will remain on your transcript with the grade that you have earned, and there is no tuition refund.
- If you stop attending the course but fail to officially withdraw from the course(s), you will be responsible for full tuition and fees and the course grade will remain on your transcript.