

CHEMISTRY 101L
Fall Semester 2021

Instructor: Dr. Daniel Stelck

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Office: Renfrew Hall 305 Phone: 885-2146

Office Hours: 12:30 - 1:20: M, W, F

Textbook: None: All labs are online

Home Page: <https://danstelck.weebly.com/chemistry-1011.html>

Electronic devices: All cell phones and personal music players must **be turned off and put away** during the laboratory.

Calculator: An inexpensive, non-text entry/non-graphing scientific calculator is required. It should have capabilities for square roots, logarithms, exponentiation (antilogarithms), and exponential (scientific) notation operations.

LABORATORY

One 3 hour laboratory is scheduled during most weeks. You are expected to come to lab on time and adequately prepared. Prior to each laboratory you must thoroughly read the experiment. A short quiz may be given at the beginning of any of the labs to ensure your preparedness. Your lab report and post lab questions are due at the end of your scheduled laboratory period.

NO LAB GRADES WILL BE DROPPED.

In laboratory you will have the opportunity to experience directly some chemical principles and relationships. Some chemical concepts will be introduced in lecture and some will be introduced in the laboratory. Lab grades will be based on safe work practices, quizzes, written lab reports and comprehension of lab material.

Make-up laboratories will only be given for University excused absences. In order to schedule a make-up lab, you must make arrangements with Yuwei Kan in Lab Services (REN 229). In the case of University excused athletic events and field trips, arrangements must be made at least a week prior to the absence. In the case of sudden severe illnesses, notify Lab Services (chem-labservices@uidaho.edu) as soon as you realize that you are too ill to attend lab. You must bring a note to Dr. Kan in Lab Services (REN 229) from your doctor stating that you were too ill to attend lab as soon as you are back in classes.

In order to pass Chemistry 101L, you must complete at least 10 of the 12 laboratory sessions and achieve a score of at least 60%.

After taking this course, a successful student should be able to:

- ❖ define, explain, and communicate using basic terminology as it relates to:
 - chemistry and measurement
 - chemical formulas and equations
 - chemical reactions
 - thermochemistry
 - electron configurations
 - molecular geometry
 - formation of gases

- ❖ solve problems and/or perform calculations associated with:
 - dimensional analysis
 - metric system and measurement
 - density
 - atomic mass, molar mass, and Avogadro's number
 - empirical and molecular formulas
 - stoichiometry
 - concentration/molarity
 - solution stoichiometry
 - thermochemical equations, heat capacity, and calorimetry
 - molecular geometry
 - bond energy
 - gas laws

- ❖ perform general chemistry experiments in a safe manner and learn to use basic laboratory equipment and instrumentation to perform chemistry experiments

Healthy Vandals Policies

It is a longstanding tradition that Vandals take care of Vandals, and we all do our best to look out for the Vandal Family. These simple precautions go a long way in reducing the impact of coronavirus on our campuses and in our communities. With everyone engaging in these small actions, we can continue to participate in our vibrant campus culture where we are able to learn, live, and grow. Please bookmark the [University of Idaho Covid-19 webpage](#) and visit it often for the most up-to-date information about the U of I's response to Covid-19.

1. **Daily Symptom Monitoring and In-Person Class Attendance.** Evaluate your own health status before attending in-person classes and **refrain from attending class in-person if you are ill, if you are experiencing any of the [known symptoms of coronavirus](#), or if you have tested positive for COVID-19 or have been potentially exposed to someone with COVID-19.**
 - If you display symptoms and/or test positive, you should quarantine following the [CDC's recommendations](#). Do not return to class until you meet the [CDC's requirements](#).
 - If you have been exposed but are asymptomatic, you should stay home for 14 days from last exposure if you remain asymptomatic, adhering to the [CDC's requirements](#).

If you miss an in-person class session, you may be able to attend via Zoom and access course materials on BbLearn. Documentation (a doctor's note) for medical excuses is not required; instead, email me to make arrangements to submit any missed work and make plans to use Zoom and/or online course materials to stay current with the course schedule.

2. **Face Coverings.** All faculty, staff, students and visitors across all U of I locations must use face coverings whenever in any U of I buildings. **You are required to wear a face covering over your nose and mouth in this classroom at all times.**
 - a. If you have a medical condition that you believe affects your ability to comply with the face covering policy, please contact [the Center for Disability Access and Resources \(CDAR\)](#) to request a reasonable accommodation.
 - b. If you have other reasons you believe make you exempt from wearing face coverings, please contact the Covid-19 Coordinator at covid19questions@uidaho.edu.
 - c. Failure to wear a face covering means you will be required to leave the classroom. If a disruption to the learning experience occurs due to repeated offence and/or egregious behavior, it will be referred to the Dean of Students Office for potential code violation.