



CHEM 1151L – Survey of Chemistry I Laboratory

Course Syllabus – Fall 2017

Individuals with disabilities who need to request accommodations should contact the Disability Services Coordinator, Edgewater Hall 255, (678) 466-5445, disabilityservices@mail.clayton.edu.

Course Description:

Number and Title: CHEM 1151L: (CRN 80116), Survey of Chemistry I Laboratory

Credit Hours: 1.0 semester credit hour

Catalog Description: Laboratory accompanying CHEM 1151.

Course Prerequisites and Co-requisites:

- CHEM 1151 with a minimum grade of D (can be taken concurrently)

Instructor Information:

Instructor: Dr. Aubrey Dyer
phone: (678) 466-4894
e-mail: aubreydyer@clayton.edu

Only use your CSU e-mail account to communicate academic information to your instructor

Office: Lakeview Science Center, Room 235C

Office hours:

Mondays at 9am-10:30am

Tuesdays 9am-10am

Wednesdays at 9am – 10:30am

Other times by appointment

Class Meetings:

Lab Room and Class Times: Magnolia Hall (formerly NBS) room 178,
Thursdays 9:15am -11:05am

Required Materials:

- Safety Goggles
- Scientific Calculator
- Laptop Computer

You are required to supply your own safety glasses for the laboratory. These are available in the campus book store but may be purchased elsewhere. Safety glasses **MUST** be worn in the laboratory at all times. You will not be allowed to complete the lab without safety glasses.

The instructor will deduct points from lab reports for not bringing safety glasses to lab, or not wearing them while in the laboratory at a rate of 5 points per incident

Evaluation:

Your evaluation in CHEM 1151L will be based upon your laboratory reports for each experiment. The report is comprised of the data sheets, any graphs required, and the worksheets outlined in the lab assignment that week. The report forms must be typed and written in Standard English. You will be graded for completeness, correctness, grammar/spelling, and your understanding of the concepts as demonstrated by the questions answered and interpretation of the data.

You must complete the laboratory report sheet and worksheet for each experiment by accessing these forms from the course D2L page. You should download the forms to your computer and complete them using a word processing program (Word™) and submit to the instructor. These forms are not to be handwritten nor emailed. Completed lab reports are due at the beginning of the next laboratory class. Points will be deducted for late laboratory reports as outlined under course policies.

Lab reports (work sheets and data sheets) will be completed by the group and one report turned in for each group. For each assignment, it is expected that all group members contribute equally to the work. If anyone is not pulling their weight in a group, they may be reassigned.

Each lab report is worth 100 points, with 10 reports due for the semester. All reports are weighted equally with each report representing 10% of your final lab grade.

Grading Scale

A	90% – 100%
B	80% – 89%
C	70% – 79%
D	60% – 69%
F	less than 59%

Mid-term Progress Report:

Due to the relatively small number of laboratory reports that will have been returned by mid-term, mid-term grades may not be reported for this course. Students making unsatisfactory progress will be contacted individually by the instructor before mid-term. If the instructor feels that enough lab reports have been completed by the deadline for mid-term grades, they may issue a mid-term grade report. If issued, the mid-term grade in this course will be issued on or about October 3rd, reflects only a portion of the entire course grade. Based on this grade, students may choose to withdraw from the course and receive a grade of "W." Students pursuing this option must fill out an official withdrawal form, available in the Office of the Registrar, or withdraw on-line using the Swan by mid-term, which occurs on October 6th. [Instructions for withdrawing are provided at this link.](#)

The last day to withdraw without academic accountability is Friday, October 6, 2017

Tentative Lab Schedule:

The preparation and set-up of the chemistry laboratories is not an easy chore. It is critical that you attend the laboratory during your scheduled time period and that you show up on time.

Date	Laboratory Experiments
8/17	Introduction, safety
8/24	Computer labs (Bring your computers with Microsoft Office installed)
8/31	Ziploc Bag <i>Computer Lab Assignments Due</i>
9/7	Labor Day Week – No Lab
9/14	Measurement <i>Ziploc Bag Assignment Due</i>
9/21	Flame Test <i>Measurement Assignment Due</i>
9/28	Empirical Formula of zinc chloride <i>Flame Test Assignments Due</i>
10/5	Copper Day 1 <i>Empirical Formula Assignment Due</i>
10/12	Fall Break Week – No Lab
10/19	Copper Day 2
10/26	Atmospheric Pressure <i>Copper Assignment Due</i>
11/2	Spectrophotometry of Chromium Day 1 <i>Atmospheric Pressure Assignments Due</i>
11/9	Spectrophotometry of Chromium Day 1
11/16	Antacids <i>Chromium Assignment Due</i>
11/30	<i>Antacid Assignment Due</i>

Computer Requirement:

Each CSU student is required to have ready access throughout the semester to a notebook computer that meets faculty-approved hardware and software requirements for the student's academic program. Students will sign a statement attesting to such access. For further information on CSU's Official Notebook Computer Policy, please go to <http://www.clayton.edu/hub/itpchoice/notebookcomputerpolicy>.

Computer Skill Prerequisites: Able to use your computer's (Windows or MacOS) operating system, able to send and receive e-mail, able to attach and retrieve attached files via email, able to use a Web browser, able to use Microsoft Word™ word processing, able to use Excel™ spread sheet system, including graphing.

In-class Use of Student Notebook Computers: Computers will be required to access course materials and to communicate with your instructor. Student notebook computers will only be used in the lab room once in the semester (computer lab). It is advised that if you bring your computer to lab, that you use the utmost care with your computer and other electronic devices as we are working with chemicals and will not be held responsible for any damage to these devices.

Course Webpages:

D2L: Information of interest to students will be posted on the course webpage in GeorgieVIEW Desire2Learn (D2L). You can gain access to Desire2Learn, by signing on to the SWAN portal and selecting: "D2L" on the top right side. If you experience any difficulties in Desire2Learn, please email or call The HUB at TheHub@mail.clayton.edu or (678) 466-HELP. You will need to provide the date and time of the problem, your SWAN username, the name of the course that you are attempting to access, and your instructor's name.

Program Learning Outcomes:

General education outcomes: The Clayton State University Core Curriculum outcomes (see Area D) are located in the Graduation Requirements section of the [Academic Catalog and Student Handbook](#).

Course learning outcomes: After completing the course, the successful student will:
Execute the procedure of a textbook laboratory experiment with attention to accuracy, proper procedure and health and safety.

Be able to collect relevant data and make careful, appropriate observations during the execution of the experiment.

Be able to interpret the data for the purpose of completing calculations and answering questions on the laboratory report sheet.)

Course Policies:

General Policy: Students must abide by policies in the Clayton State University Student Handbook, and the [Basic Undergraduate Student Responsibilities](#). The Student Handbook is part of the [Academic Catalog and Student Handbook](#).

Grades will not be communicated by phone or email – graded materials can only be picked up by the individual to whom they belong.

University Attendance Policy: Students are expected to attend and participate in every class meeting. Instructors establish specific policies relating to absences in their courses and communicate these policies to the students through the course syllabi. Individual instructors, based upon the nature of the course, determine what effect excused and unexcused absences have in determining grades and upon students' ability to remain enrolled in their courses. The university reserves the right to determine that excessive absences, whether justified or not, are sufficient cause for institutional withdrawals or failing grades.

Course Attendance Policy: Attendance is required for all lab periods. To receive credit for laboratory exercises and reports, you must complete all of the laboratory experiments or make specific arrangements with the instructor.

Missed Work: Absence on the day of a lab will result in a grade of zero. If you expect to miss a lab, you must make arrangements with the instructor in advance to attend an earlier lab session. Your ability to do so is up to the discretion of the instructor for your class and the class you plan to attend, and is not guaranteed. You must physically complete the laboratory experiment to get credit. You may not simply obtain the data from another student. Anyone doing this will receive a zero on the laboratory exercise as this is cheating.

Tardiness: Lab will start and end promptly at the assigned times. It is expected that you will be present and ready to start on time. Each laboratory period will begin with a short introduction lecture where important concepts and laboratory techniques are discussed. If you miss this introduction, it is your responsibility to obtain the necessary information. Excessive tardiness may result in your removal from the laboratory.

Late Work: Laboratory reports (work sheets and data sheets) are due at the beginning of class. After 9:15am, the reports are considered late and an immediate 10 percentage points will be deducted from the report grade. For each 24 hour period after that, an additional 10% will be deducted. Do **NOT** email reports to be turned in. I will not accept emailed reports.

Academic Dishonesty: I take academic integrity very seriously. Any type of activity that is considered dishonest by reasonable standards may constitute academic misconduct. The most common forms of academic misconduct are cheating and plagiarism. All instances of academic dishonesty will result in a grade of zero for the work involved, at a minimum, and can result in expulsion from the institution. All instances of academic dishonesty will be reported to the [Office of Community Standards](#). Judicial procedures are described in the section of the [Academic Catalog and Student Handbook](#) titled, Procedures for Adjudicating Alleged Academic Conduct Infractions.

Plagiarism Detection Software: Students agree that by taking this course all required papers may be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. You should submit your papers in such a way that no identifying information about you is included.

Risk: Participation in laboratory activities involves an inherent risk of injury. In the event of injury, the student should immediately inform the instructor who will contact the Campus Public Safety Officer. The officer will file an accident report and administer first aid or contact appropriate medical help.

Disruption of the Learning Environment: Behavior which disrupts the teaching–learning process during class activities will not be tolerated. While a variety of behaviors can be disruptive in a classroom setting, more serious examples include belligerent, abusive, profane, and/or threatening behavior. A student who fails to respond to reasonable faculty direction regarding classroom behavior and/or behavior while participating in classroom activities may be dismissed from class. A student who is dismissed is entitled to due process and will be afforded such rights as soon as possible following dismissal. If found in violation, a student may be administratively withdrawn and may receive a grade of WF.

More detailed descriptions of examples of disruptive behavior are provided in the Code of Conduct and Disciplinary Procedures sections of the Clayton State University [Academic Catalog and Student Handbook](#).

Laboratory Policies:

1. Arrive to lab on time and stay until the exercise is complete.
2. No children or visitors are allowed in the laboratory

3. Turn off cell phones, pagers, music players, and other personal electronic devices. Failure to do so will result in the student:
 - a. having points deducted from his/her grade
 - b. being asked to leave the room and being reported for disruptive behavior.
4. No eating, smoking or drinking in the laboratory. No food is allowed in the laboratory. This includes drink bottles.
5. Be aware of all laboratory policies and procedures and abide by the safety rules. Failure to do so may result in your removal from the laboratory.
6. Wear your safety glasses at all times in the laboratory. The instructor may deduct points from lab reports for failure to wear safety glasses.
7. Keep a clean and tidy work area. Report any chemical spills to the instructor.
8. Clothing above knee level and open-toed shoes are not to be worn in the lab. Students will not be allowed in the lab and will lose all points for lab that day for not wearing the appropriate clothing or shoes to the lab.

Group Work: We will normally work in small groups in the laboratory. It is each individual's responsibility to insure that everyone in the group participates in all aspects of the experiment. You are responsible for cleaning all equipment used and keeping the lab neat and clean. Points may be deducted for failure to wear safety glasses while physically in the laboratory, for messy labs, late reports, horseplay in lab, etc., at the discretion of the instructor.

Last update: July 26, 2017
