



Walters State Community College Course Syllabus

Course Information

Course Number and Name: CHEM 1111 General Chemistry I Lab

Section ID: 50245.202350

Semester and Year: Summer 2023

Credit Hours: 1

Start Date: June 01, 2023

End Date: July 03, 2023

Course Format: CON - Conventional Methodology

Catalog Course Description: General Chemistry I is a study of fundamental concepts and properties of selected elements and compounds. Topics covered are: tools of chemistry; atoms, molecules and ions; chemical reactions I: chemical equations and reactions in aqueous solutions; chemical reactions II: mass relationships; the gaseous state; thermochemistry; quantum theory and the electronic structure of atoms; periodic relationships among the elements; chemical bonding I: basic concepts; and chemical bonding II: molecular geometry and molecular orbitals. A letter of "C" or better is required to take Chemistry 1120. Pre/Corequisite(s): CHEM 1111, MATH 1030. **F,S, Su.** (T)

General Education Course Designation: General Education Course

Meeting Details: MTWR; 11:45AM - 02:05PM; NSCI 209

Course Drop Deadline: June 22, 2023

Instructor Information

Name: Lura Johnson

Role: Assistant Professor

Office Location: NSCI 119

Office Hours: Posted on eLearn

Office Phone: 423-585-6878 and cell 828-342-0181

Email: Lura.Johnson@ws.edu

Supervisor Name: Dr. Matthew Smith, Dean Natural Science Division

Supervisor Phone: 423-585-6865

Secretary Name: Ms. Sherry Woody

Secretary Phone: 423-585-6865

Required Textbook(s) and Materials

In-house manual provided on eLearn

Supplemental or Optional Materials

Required safety glasses and gloves provided within each lab.

Student Learning Outcomes/Objectives

- The course is designed around a common core of interactive laboratory activities that relate to and reinforce the student learning outcomes listed for the lecture course, CHEM-1110.

Course Outcomes

Common Core: (Laboratory activities to be selected from the following Learning Outcome topics):

1. Introduction to Chemistry Laboratory: Safety, Check-In,
 - a. Basic Laboratory Procedures and Techniques
2. Measurement & Density
3. Chemical Changes and Reaction Classification
4. Synthesis of Copper Compounds
5. Formula of a Hydrate
6. Naming and Formulas of Inorganic Compounds
7. Percentage Composition of a Compound
8. Percentage of Potassium Chlorate in a Mixture
9. Electrolytes: Acids, Bases and Salts
10. Molarity, Standard Solutions and Titration
11. Avogadro's Number
12. Molar Gas Volume and Gas Laws
13. Beer's law
14. Heat and ΔH of Reaction

15. Electron Excitation and Flame Test, Clean-Up, Check-Out.

Instructional Approach and Methods

There will be a pre-lab lecture to go over the experiment, with an emphasis on safety, proper technique, and proper waste disposal. The students will then conduct an experiment and receive a grade based on technique and experimental results turned in on the data sheet.

In addition to the laboratory reports, there will be assignments (homework, exams and/or quizzes) covering the experiments. Lastly, there will be a clean-up on the last day of lab.

Assessment, Evaluation and Testing Procedures

Assignments and exams may be given in class or online via d2L/eLearn. For those administered online through d2L/eLearn, students may be required to use a virtual proctoring program like Respondus Lockdown Browser with Monitor. Virtual proctoring programs will require a compatible device, microphone, and webcam. In the event that the student does not use the specified requirements or the entire assignment or exam is not completely proctored, this could result in a grade of zero "0" for the assignment or exam.

Students will take in-person lab exams after about every 3 to 4 labs performed. Specific testing procedure and assignment completion information will be covered by the instructor on the first day of lab.

Grading Scale

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

Experiment Result 60%

Exams, Homework or quizzes 40%

Assignments

In-person labs are performed during lab time and in-person lab exams will be given every 3 to 4 completed labs.

Class Participation

Attendance is essential to your success. You are required to attend each laboratory session in its entirety; failure to do so without an acceptable excuse will result in a zero for that laboratory. If you cannot attend your normal laboratory section you may avoid a penalty by arranging in advance to attend a different section that week if possible; however, this requires the **advance** consent of both lab instructors. It is **your** responsibility to make sure **your** regular lab instructor is aware that you attended a different section.

Course and Class Policies/Procedures

Your instructor will discuss his/her specific laboratory make-up policy for an absence on the first day of class. In most cases, the policy is only **ONE** make-up laboratory for an unexcused absence for the term. Other missed laboratory periods that are not accompanied with a **documented excuse** will result in a "0" for those laboratories. For **unexcused** absences the following will result:

- a. one missing lab/quiz/assignment – maximum grade of "B" is possible for the course.
- b. two missing lab/quizzes/assignments – maximum grade of "C" is possible for the course.
- c. three or more missing labs/quizzes/assignments – fail the course.

Online/Web-Enhanced Course Supplementary Information

Virtual Office Hours	Information provided by instructor on eLearn
Library Information	Library Phone: 423-585-6903 WSCC Library Website (opens in new window)
Technical Support	Helpdesk Phone: 423-318-2742 WSCC Helpdesk Website (opens in new window) http://helpdesk.ws.edu/
Web Addresses/Resources	
Guidelines for Communication: Email, Discussion Posts, Chat	Refer to eLearn

Additional Course Requirements/Details/Information

STAY AWAKE IN CLASS. Your mere presence in class is not sufficient—you must be able to actively process the information presented! Sleeping in class is disruptive in two ways: the student who is snoozing is not interested and not participating in the classroom discussion; secondly, sleeping in class is considered to be disrespectful to the teacher and other students. The penalty for sleeping in class may range from the student being requested to leave the class with a following conference with the instructor, to notification of the Vice-President of Academic Affairs (in the cases of habitual sleepers). If you have a medical condition that prevents you from staying awake in class, please discuss this with the instructor.

CLASSROOM COURTESY. Being in a college environment it is **expected** that classroom courtesy will be given to your instructor and classmates in limiting unnecessary talking and communication during class lecture or student presentation. An academic misconduct form will be completed and filed for those who have difficulty following this policy and disrupt class.

Safety: A more complete list will be covered during the first lab period.

1. There will be **NO food, drink or tobacco products in the laboratory.**
2. **NO opened-toe shoes** can be worn during lab. You will not be allowed to stay in the laboratory if the lab exercise uses any sort of glassware or chemicals.
3. **NO purses, bags or coats** on top of the student tables. Place them at the front of the room as you come into the lab away from chemicals.
4. **NO visitors** in the laboratory without prior approval of the instructor.

Your Right to Know:

Tennessee Law requires that you are provided notice that some of the laboratory exercises involve contact with chemicals which have been identified with potential health hazards. These chemicals include, but are not limited to acetone, chloroform, formalin, acids and bases. While every effort has been made to make the materials as safe as possible these chemicals are toxic and you must be responsible for their safe handling. If **you** feel you may be at a higher risk than normal, if pregnant for example, we recommend you consult your physician.

Academic Honesty

Faculty expect all students to refrain from acts of academic misconduct including but not limited to:

1. Plagiarism - refers to using another person's ideas or writing without giving proper credit to the original source. Indulging in this type of conduct will subject the student to disciplinary sanctions, which may be imposed through the regular institutional procedures of Walters State Community College as outlined in the Student Handbook. Plagiarism will result in a grade of "0" for the paper/exam/presentation. Student Conduct and Disciplinary Sanctions contained in the

college Catalog/Student Handbook apply (see policy 04:18:02 Disciplinary Sanctions).

Plagiarism includes, but is not limited to the following:

- a. Using cut/paste tool from original document with no references given.
- b. Copying another student's work and submitting it as one's own.
- c. Forging or otherwise altering signatures.
- d. Giving or falsifying academic documents or materials.

2. Cheating - construed as attempting to deceive or mislead which includes, but is not limited to the following:

- a. Utilizing old tests, projects, notes or written papers.
- b. Providing unauthorized information to a fellow student about exam content.
- c. Receiving unauthorized aid from any source with quizzes, examinations, or other assignments.
- d. Seeking information in an unacceptable manner during/preceding an exam or other assigned work (cheat sheet, verbal exchange, looking at another person's paper or electronic device, utilizing headphones, using textbook when the test/quiz is not an open book test/quiz, using textbook test bank etc.).
- e. Consulting with a classmate or others when taking a computerized test.
- f. Disregarding other specific policies and procedures outlined for a particular class.
- g. Utilizing unapproved technology/electronic equipment during testing (i.e.: mobile devices such as cell phones, smart devices, or tablets, etc.).
- h. Using the same Internet Protocol network address (IP address) as another student for testing without approval from the course faculty.

Student Resources

TUTORING SERVICES

Students in need of tutoring assistance are encouraged to contact the Office of Student Tutoring located as follows:

- Morristown Campus - Student Services Building Room L107 - (423) 585-6920
- Niswonger Campus - GRNV 226 - (423) 798-7982
- Sevierville Campus - MMH Room 210 - (865) 286-2787
- Claiborne Campus - Room 123A - (423) 851-4761

Specific tutoring assistance in mathematics and writing is available in-person and online as follows:

- Morristown Campus - English Learning Lab - HUM 120 - (423) 585-6970

[Walters State English Learning Lab \(opens in new window\)](https://www.waltersstate.edu/academics/humanities/writing-lab)
[ws.edu/academics/humanities/writing-lab](https://www.waltersstate.edu/academics/humanities/writing-lab)

- Morristown Campus - Mathematics Lab - MBSS 222 - (423) 585-6872

[Walters State Mathematics Learning Lab \(opens in new window\)](https://www.waltersstate.edu/academics/mathematics/learning-lab)
[ws.edu/academics/mathematics/learning-lab](https://www.waltersstate.edu/academics/mathematics/learning-lab)

TECHNOLOGY SUPPORT

Students who need assistance with computing and technology issues should contact the IET Helpdesk by phone at Morristown: (423) 318-2742; Niswonger: (423) 798-8186; or Sevierville: (865) 286-2789 or on-line access.

[Walters State Helpdesk \(opens in new window\)](https://www.waltersstate.edu/helpdesk)
[helpdesk.ws.edu](https://www.waltersstate.edu/helpdesk)

STUDENTS WITH DISABILITIES SUPPORT SERVICES

Students with disabilities must register with Student Support Services each semester in the Student Services Building, Room U134 (phone (423) 585-6892) if they need any special facilities, services, or consideration.

[Walters State Student Support Services \(opens in new window\)](https://www.waltersstate.edu/student-services/disability/)
[ws.edu/student-services/disability/](https://www.waltersstate.edu/student-services/disability/)

SUICIDE PREVENTION STATEMENT

Walters State is committed to and cares about all students. Support services are available for any person at Walters State who is experiencing feelings of being overwhelmed, hopelessness, depression, thinking about dying by suicide, or is otherwise in need of assistance. For immediate help, contact the National Suicide Prevention Lifeline by calling or texting 9-8-8 or the Trevor Lifeline at 1-866-488-7386. Veterans may also contact the Veterans Crisis Line at 1-800-273-8255 (press 1) or Text 838255.

Walters State has a relationship in place with the following community agencies to provide services (may include crisis referral services, prevention screenings, etc.):

- Cherokee Health Systems 423-586-5032
- Frontier Health 423-467-3600

College Policies

STUDENTS HANDBOOK AS OFFICIAL GOVERNING DOCUMENT

This class is governed by the policies and procedures stated in the current Walters State Community College Student Handbook. All students attending Walters State Community College, regardless of the time, location, or format of the class, must abide by the rules and regulations outlined in the current Walters State Catalog/Student Handbook and the current Walters State Timetable of Classes.

[Walters State Catalog \(opens in new window\)](http://catalog.ws.edu/)
catalog.ws.edu/

[Walters State Timetable of Classes \(opens in new window\)](http://ws.edu/admissions/registration/)
ws.edu/admissions/registration/

PURPOSE, LIMITATIONS AND MODIFICATION OF SYLLABUS

This syllabus sets forth the expectations for the course content, work, and grading as well as expectations for student performance and conduct. The syllabus does not constitute a contract between the student and the instructor or the College. The information contained here is subject to change at any time. The instructor reserves the right to modify this syllabus at any time with written notification to the students. Though changes are possible, it is expected that the course will be conducted as described in this syllabus for the semester/year specified in the Course Information section of the syllabus. This syllabus is only valid for the semester/year specified and course requirements are not guaranteed for future semesters.

COURSE GROUND RULES

- Students must attend the first day of on-ground class or contact the instructor prior to the first class. Failure to do this may result in being dropped from the class. Excessive absences may substantially lower the course grade.
- Regular class attendance is a student's obligation for any course regardless of format. (See the Walters State Catalog/Student Handbook). If a student misses class, it is his or her responsibility to contact the instructor regarding missed assignments and/or activities and to be prepared for the next class assignment.
- Students enrolled in web courses must follow the course attendance policy defined for online attendance during the first week of class and throughout the term. Failure to do this may result in being dropped from the class during week one OR may result in the accrual of absences which may negatively impact the student's grade in the course.
- Students who have not paid fees on time and/or are not correctly registered for this class and whose names do not appear on official class rolls generated by the Walters State student

information system (MyWS) will not be allowed to remain in class or receive credit for this course.

- Electronic devices must not disrupt the instructional process or college-sponsored academic activity. Use of electronic devices is prohibited unless use of the device is relevant to the activity and use is sanctioned by the faculty member in charge. Electronic devices that are not relevant to the activity or sanctioned by the faculty member in charge should be set so that they will not produce an audible sound during classroom instruction or other college-sponsored academic activity.

FINANCIAL AID

Students receiving any type of financial aid or scholarship should contact the Financial Aid Office before making any changes to their schedule. Schedule changes without prior approval may result in loss of award for the current term and future terms.

All forms of student Financial Aid may be jeopardized or lost due to the lack of Satisfactory Academic Progress in one or multiple courses. Lack of Satisfactory Academic Progress may negatively impact a student's degree/certificate completion pace and further jeopardize Financial Aid eligibility.

CANCELLATION OF CLASSES AND ACADEMIC CONTINUITY

For information related to the cancellation of classes due to inclement weather or other events, please check the Senators Emergency Text system or the college's Web site at:

[Walters State Homepage \(opens in new window\)](#)

ws.edu/home/

[Walters State Facebook page \(opens in new window\)](#)

<https://www.facebook.com/WaltersState/>

[Walters State Twitter page \(opens in new window\)](#)

<https://twitter.com/waltersstate>

or call the college's student information line, 1-800-225-4770, option 1; the Sevier County Campus, (865) 774-5800, option 7; the Niswonger Campus (423) 798-7940, option 7; or the Claiborne County Campus, 423-636-6200, option 7. Also, please monitor local TV and radio stations for further announcements.

When an event or disaster interrupts the scheduled operations of the college and the ability to proceed with the academic course activities as planned, the college and your instructor may alter the course plan outlined in the syllabus. Should an event occur, students should refer to their course e-Learn pages and/or class materials previously delivered to receive guidance from their instructor. Students should continue to monitor the official college channels of communication listed in the above

paragraph. If you would like to sign up for the Senators Emergency Text system, please go to the following Web site:

[Senator Emergency Text System \(opens in new window\)](#)
ws.edu/set/

Dual Enrollment students attending on a high school campus should refer to the high school inclement weather cancellations.

LEARNING MANAGEMENT SYSTEM

Brightspace (commonly known as eLearn or D2L) is the college's Learning Management System (LMS).

Brightspace is committed to accessibility by "deliver[ing] a learning experience that meets the needs of all people, regardless of age or ability." [Brightspace Accessibility Standard \(opens in new window\)](#)

Brightspace is also committed to guarding student data and privacy. [Brightspace Privacy Policy \(opens in new window\)](#)