

COURSE INFORMATION SHEET

UCONN - CHEM 1127 2025

Course Materials

Required textbooks are available for purchase through the [UConn Bookstore](#) (or use the Purchase Textbooks tool in HuskyCT).

Required Materials:

- Item 1. Online homework and textbook access, Achieve
- Item 2. General chemistry Lab manual, Department of Chemistry, University of Connecticut
- Item 3. Calculator with LOG and LN keys capable of doing Scientific notation
- Item 4. Approved safety goggles.

Optional Materials:

Item 1. Preparing for your ACS examination in General Chemistry (second edition): Purchasable from the UConn chemistry Club or online <https://acsexamsinstitute.com/>

Course Description

General Chemistry (CHEM 1127Q) is a four credit course that consists of either two 75 min. lectures (T/Th) or three 50 min. lectures (M/W/F) and a single 3 hour lab period each week. The course is designed to provide a foundation for more advanced courses in chemistry. Equilibrium, thermodynamics, nuclear chemistry, and kinetics. Properties of some of the more familiar elements and their compounds. Equilibrium in solutions and reactions of the common cations and anions in the laboratory component.

Course Learning Objectives

- LO 1- To explain and apply basic principles, definitions, laws and theories of chemistry
- LO 2- To apply basic principles to solve real world problems described verbally, graphically, symbolically or numerically.
- LO 3 – to develop laboratory skills and techniques along with data collection, data analysis and interpretation.
- LO 4- To develop logical analytical skills which can be used in real life problem solving and analysis

Alignment of Common Curriculum & Course Student Learning Objectives with Assessments

The Common Curriculum prepares students to tackle 21st-century challenges by combining coursework across disciplines to expand their worldviews, enhance their range of skills, and develop into critical, creative, emotionally intelligent, and interdisciplinary thinkers. The Curriculum is designed to help students learn to be versatile in a rapidly changing world; combine knowledge in innovative ways; apply learning strategies to new contexts, including their major; see local and global patterns and the interconnectedness of intellectual work; and appreciate how we need each other to tackle today's challenges.

The University has defined student learning objective (what a student should know, be able to do, or attitudes/beliefs they should possess by the end of the course) for each Topic of Inquiry in the Common Curriculum. Each Common Curriculum course aligns to one or more of those objectives. The course's student learning objectives align to the Common Curriculum objectives; course assessment (assignments, exams/quizzes, etc) align to both the course learning objectives and the Common Curriculum objectives.

Topic of Inquiry	Common Curriculum objective	Course student learning objective(s)	Course assessment(s)
TOI-6	TOI 6 LO-1 Students will be able to explain and appropriately utilize basic scientific language and concepts.	LO 1- To explain and apply basic principles, definitions, laws and theories of chemistry	Conceptual questions based on the first two domains of Bloom's taxonomy (remembering and understanding) on the exams
	TOI 6 LO-2 Students will be able to design or conduct an experiment or analysis suitable to test a scientific hypothesis and be able to interpret the results.	LO 3 – to develop laboratory skills and techniques along with data collection, data analysis and interpretation.	Pre-lab quizzes, data analysis and conclusion reports submitted after every laboratory experiment. Required participation in scheduled laboratory activities in person.
	TOI 6L LO-1 Through application-based experiences utilizing the scientific method, students will be able to identify problems, make observations, analyze data, interpret data, and develop models or explanations.		
	TOI 6 LO-3 Students will be able to solve problems described verbally ,graphically, symbolically, or numerically.	LO 2- To apply basic principles to solve real world problems described verbally, graphically, symbolically or numerically.	Open ended quantitative problems on the exams. Online Homework assignments.
		LO 4- To develop logical analytical skills which can be used in real life problem solving and analysis	Higher-order comprehensive numerical problems on the exam and online homework. These problems cannot be directly solved by plugging values into a standard equation. Students must critically analyze the problem and combine multiple concepts in a logical manner to solve the problem.

Course Overview

Lecture:

Material is explained and sample problems are done. There are opportunities for asking questions. You are responsible for the entire chapter whether discussed in lecture or not, unless it is otherwise announced. Always bring your calculator to the lecture. You do not need to bring your textbook. You are expected to attend every lecture, discussion, and laboratory. Many times, announcements are made in lecture; you are responsible for these announcements even if you are not present.

*My lectures, notes, handouts, assessments, and displays are protected by state common law and federal copyright law. Students are authorized to take notes in my class; however, this authorization extends only to making one set of notes for your own personal use and no other use. You must obtain permission from me if you wish to audio record or video record my lecture. If you are so authorized to record my lectures, you may not copy this recording or any other material, provide copies of either to anyone else, or make a commercial use of them without prior permission from me. **Posting of any of my materials, including but not limited to exams, quiz questions, lab assignments, prelab assignments, PowerPoint slides, and solutions to recommended problems, to any website or social media site violates this policy.***

Laboratory:

Laboratory is an integral part of the course. Data and calculations sheets must be handed in at the end of the lab period in which the experiment is scheduled. All students (including those taking the course for pass/fail) must perform **all of the experiments** to pass the course. Policies on **Prelab, grading and make-up** are explained in detail in the laboratory information sheet that will be given to you during the first discussion period. Unexcused absence from more than **one laboratory** will result in a grade of “F” for the entire course.

HuskyCT is important

You should learn how to access HuskyCT (<https://lms.uconn.edu/>) for Chem 1127/1128. There will be two sites for this course; one will have this syllabus (in case you lose your hard copy), the solutions to the homework problems, and many other features. The second site will be dedicated to the **labs/Prelabs**. This site will have the video for each lab and **Prelab** quizzes that you must complete before you show up to the lab.

After the due date for a Prelab quiz (Saturday night) you can look up your answers and the correct answers by going to the lab HuskyCT page, selecting “My Grades” in the bar on the left, select the pre-lab quiz in question, On the quiz page select the score number which is a link. You should then see the complete answer key for the quiz if it is after the due date.

You should check HuskyCT each day in order to see if there is an announcement. HuskyCT “announcements” will be used to announce the arrangements in case of **late opening/early closing or cancellation**.

When you send an e-mail to your instructor please indicate the reason in the subject line, such as OWL, lab, missing an exam etc. Also include the course number since each instructor teaches more than one course.

What to do if you missed a lab or an exam

Missed Lab:

Contact your professor and TA by email immediately so that you can be given access to the online make up lab. Make up labs must be completed by the Sunday of the week of the missed lab. Any request to make up a lab after the normally scheduled week of the lab will only be done after

documentation specifying why you were unable to complete the lab for multiple days is provided. Scheduled vacations are not considered a valid excuse.

Missed Pre lab: Pre lab extensions are only given if you have documented a multi day unexpected event with the dean of students office. DO NOT email about an extension unless you have talked with someone at the dean of students office or CSD. Pre labs are relatively short and can be done online any time over the week before lab. You should not wait until the last minute. An unexpected conflict or illness on Sunday afternoon is not grounds for a pre lab extensions. The answers

Absence from Exams:

Exams are scheduled during your lecture section. Unless you have proof of a university-sanctioned excuse (death of a close family member, illness with doctors note, university sanctioned event) you must take the exam during your scheduled lecture period. If you miss more than 1 regularly scheduled exams you must meet with your professor to determine if you can complete the course.

If you have a pre-arranged event during an exam time you may discuss this time conflict with your professor. The exam will only be given during the scheduled 2 day exam period scheduled in the syllabus, any other exam time counts as your 1 allowable absence.

If you miss an exam due to unforeseen circumstances, such as an illness and are unable to arrange a make up with your lecture instructor before the exam period is over you need to contact the lecture instructor as soon as possible and provide appropriate evidence of your emergency. The standard make up exam is 6:30 AM on the Monday after the regular exam period. There is no option of taking an exam after the exam period is over. If you do not inform your instructor of a missed exam within one week it will be counted as a zero.

Final Exam (From Dean of Students)

When students are forced to miss a final examination due to illness, accident, death in the family or other unavoidable reasons they can come to the Dean of Students Office to receive approval to arrange another exam time with their instructor. Students should present appropriate documentation to support their request. **Come to the Dean of Students Office for this service.** With other exams and assignments which are required during the semester students bring their documentation of extenuating circumstances directly to their instructors.

Grades

Exam Grades:

The exam grades will be posted on HuskyCT or gradescope after all the grading is completed. Please check the announcements every day. After the grades are posted you have **one week** to check whether the grade that shows on HuskyCT or gradescope is correct or not.

Exam grades **WILL NOT** be given out by e-mail.

Final Course Grade:

The syllabus lists the value of each part of the course according to Plan 1 and Plan 2. Your final letter grade for the course will be calculated according to the percent values of both Plan 1 and Plan 2. You will receive the higher of the two grades.

	Points Distribution	Plan 1	Plan 2
Exams (3 exams)	425 points	42.5%	20%
Final Exam	200 points	20%	42.5%
Laboratory**	150 points	15%	15%
Achieve*	175 points	17.5%	17.5%
Pre-lab quiz**	50 points	5%	5%
Total	1000 points	100%	100%

*ECE instructors can substitute ACHIEVE by HMW and quizzes

**ECE instructors: Lab component for ECE is 20% for those who do not use prelab quizzes.

Grading

As a starting point, we will use a >90% = A; 80-89% = B; 70-79% = C; 60-69% = D, <60% = F scale. Plus and minus grades will be assigned within each bracket.

Additional Information

Academic Integrity:

You are responsible for acting in accordance with the [University of Connecticut's Student Code](#). Review and become familiar with the expectations. In particular, make sure you have read the section that applies to you on Academic Integrity. Students in this course are expected to maintain the highest standards of intellectual honesty. If you have any questions about what constitutes academic dishonesty (cheating or plagiarism), you should review UConn's code of conduct at <http://community.uconn.edu/the-student-code-appendix-a/> and consult with the instructor PRIOR to taking any questionable actions.

Avoiding Plagiarism: As a student, it is your responsibility to avoid plagiarism and meet University expectations related to [academic integrity](#). The University of Connecticut Library recommends the following resources for students to understand and avoid plagiarism:

[Understanding Plagiarism](#), a tutorial from UConn Library

[Citing Sources](#), a UConn guide to introduce citing MLA, APA styles and more

[Citation Machine](#), interactive citation tool for MLA and APA styles

[KnightCite](#), interactive citation tool for MLA, APA, and Chicago styles

[Assignment Calculator](#), interactive tool that provides a timeline for writing

[Research QuickStart](#), guidance on common questions and needs in the research process

[Research Now](#), guides to help you develop your research skills

Copyright: Copyrighted materials within the course are only for the use of students enrolled in the course for purposes associated with this course and may not be retained or further disseminated.

Lecture decorum

Be considerate of your classmates at all times. Turn off cell phones as you enter the lecture hall. If you have to leave early, sit near the back and minimize your disruption as you leave. Side conversations are distracting to those around you and interfere with the learning process. For more on this topic please explore The Student Code at

http://www.community.uconn.edu/student_code.html .

Policy against Discrimination, Harassment, and Inappropriate Romantic Relationships

The University is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured an atmosphere of mutual respect. All members of the University community are responsible for the maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate Romantic relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. Refer to the [Policy against Discrimination, Harassment and Inappropriate Romantic Relationships](#) for more information. To protect the campus community, all non-confidential University employees (including faculty) are required to report assaults they witness or are told about to the [Office of Diversity & Equity](#) under the [Sexual Assault Response Policy](#). The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with University officials who can help. Refer to the [Sexual Assault Reporting Policy](#) for more information.

Support Services:

- Counseling and Mental Health Services: 486-4705 (after hours: 486-3427) www.cmhs.uconn.edu
- Career Services: 486-3013 www.career.uconn.edu
- Alcohol and Other Drug Services: 486-9431 www.aod.uconn.edu
- Office of student services and Advocacy: 486-3426 www.ossa.uconn.edu
- Academic Achievement Center (achieve@uconn.edu, 486-4889) provides coaching, workshops (time management, note taking, strategies for deeper learning, exam preparation), and services that enhance skill development, effective decision-making and personal transitions to the university setting. This is the place to go when you want to do better but you don't know how.

FROM Center for Students with Disabilities: Please contact your instructor during office hours to discuss academic accommodations that may be needed during the semester due to a documented disability. If you have a disability for which you wish to request academic accommodations and have not contacted the Center for Students with Disabilities (CSD), please do so as soon as possible. The CSD engages in an interactive process with each student and reviews requests for accommodations on an individualized, case-by-case basis. The CSD collaborates with students and their faculty to coordinate approved accommodations and services. The CSD is located in Wilbur Cross, Room 204 and can

be reached at (860) 486-2020 or at csd@uconn.edu. Detailed information regarding the process to request accommodations is available on the CSD website at www.csd.uconn.edu.