

Course Information for Chemistry 1124 – Fall 2024

Dr. Fatma Selampinar, CHEM A409, (860) 486-6647 fatma.selampinar@uconn.edu

Course website: <http://huskyct.uconn.edu> ((includes links to ACHIEVE and e-text)

Lecture meeting time :

Section 1: MWF 10:10 - 11:00 AM STRS WW16

Section 2: MWF 11:15 AM - 12:05 PM STRS WW16

Discussion and the laboratory (see page 11).

Office hours: Use nexus.uconn.edu in order to make appointments.

Course Needs:

1. Required materials:

The students are expected to acquire a computer with a webcam since some of the assessments are going to be done via **LOCKDOWN BROWSER**.

Chemistry 1124/1125/1126 - Atoms First

- **Access Card (Opt-Out students) ISBN:**
9781319553289 10 Digit: 1319553281

HM Achieve for Interactive General Chemistry 2.0 Atoms First with Lab Simulations (1-Term Access Card) University of Connecticut

- **Husky Book Bundle/Inclusive Access Courseware**
ISBN: 9781319548025 ISBN 10 Digit:
1319548024

HM IA Achieve for Interactive General Chemistry 2.0 Atoms First with Lab Simulations (1-Term Online) University of Connecticut

[Lab manual and the textbook](#)

[Print Lab Manual](#)

- o The print lab manual will be the same manual used over the last year.
 - o ISBN: 978-1-5339-5759-7
 - o Net price: \$36.25
2. **ACHIEVE:** Online homework which can be accessed through HuskyCT. Achieve gives you access to both online homework (Achieve) and the e-book.
 3. **Safety goggles:** The chemistry department will sell those goggles.
 4. **Calculator:** You will need a calculator capable of doing scientific notation and logarithms. Graphing calculators are NOT acceptable. No cell phone, tablet or computer calculators, no

The Honor Code:

Academic Integrity

Academic misconduct in any form and at any task will not be tolerated. The minimum consequence will be an "F" for the course.

Academic misconduct includes, but is not limited to:*

- Providing or receiving assistance on academic work (papers, projects, examinations) in a way that was not authorized by the instructor
- Giving or receiving aid in examinations; unpermitted aid in class work, in the preparation of reports, or in any other work that is to be used by the instructor as the basis of grading;
- Any attempt to improperly influence (bribery, threats) any member of the faculty, staff, or administration of the University in any matter relating to academics or research
- Plagiarism
- Doing academic work for another student
- Presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors
- Situations where one student knowingly assists another student in committing an act of academic misconduct, and any student doing so will be held equally accountable for the violation

Each student is required to do his or her own work on exams, quizzes, and all lab related work. For possible University sanctions, consult [Academic, Scholarly, and Professional Integrity and Misconduct \(ASPIM\), Policy on | University Policies \(uconn.edu\)](#)

*<https://medicine.uconn.edu/wp-content/uploads/sites/1392/2016/01/APPManual.pdf>

Course Overview:

Attendance:

You are expected to attend lecture, discussion and laboratory. Many times, announcements are made in lecture; you are responsible for these announcements. **Unexcused absence from more than one laboratory or discussion will result in a grade of "F".** Both sessions are vital to the integrity of the course.

Lecture:

Lectures and demonstrations will be done using PowerPoint and other multimedia methods. There will be opportunities for small-group interaction and interaction with the instructor, and collaborative quiz. You may also ask questions on lecture, homework or discussion material. At times, problems will be suggested during lectures. These should be done in your notebook. Note: **Collaborative quizzes CANNOT be made up.**

*My lectures, notes, handouts, assessments, and displays are protected by state common law and federal copyright law. Students are authorized to take notes in the class: however, this authorization extends only to making one set of notes for your own personal use and not other use. You must obtain permission from the instructor if you wish to audio record, video record, or take pictures during the lecture. If you are authorized to record the lectures, you may not copy this recording or any other materials, provide copies of either to anyone else, or make a commercial use of them without prior permission from me. **Posting of any of the materials presented in this class, including but not limited to exams, quizzes, lab assignments, pre-lab assignments, PowerPoint slides, and solutions to recommended problems, to any website or social media site violates this policy.***

Discussion Session:

For more information click [here](#).

Format:

Discussions will **alternate with laboratory sessions** as noted on the syllabus.

The discussion section provides an opportunity for you to build your confidence and skills with input from fellow students, your TA, and your instructor. Your TA will explain the format of the discussion sessions. These sessions are dedicated to interactive problem-solving, collaborative group work, and exercises designed to enhance your skills and review lecture material. Active participation in this collaborative effort is expected.

Group work aims to reinforce material and foster collaborative problem-solving, which studies have shown to significantly enhance learning in the natural sciences. Being well-prepared for these discussions will make them more effective in preparing you for course assessments.

Additionally, the discussion hour is when hour exam grades are reviewed and returned.

Teamwork and Individual Success:

Teamwork has been demonstrated as a highly effective learning tool, particularly in chemistry and the natural sciences. Your benefit from group assignments will be commensurate with the effort you invest in them. Each worksheet can contribute up to **five** points toward your discussion grade.

You will receive between **0 and 5 points** based on your contribution to each group discussion. These points cannot be recovered.

Missing Discussion:

The discussion section is an integral part of the course. Because of the length of the discussion periods, scheduling make-ups is difficult. **If you must miss a discussion, please see your TA as soon as possible.** Unexcused absence from more than one discussion is grounds for failing the course. See the master schedule on HuskyCT for details on assignments and due dates.

Group exercises can be made up once in case of absence only by attending another discussion session during the same week as the absence. This is valid in case of an emergency. Missing more than **one** discussion without a legitimate excuse will result in a grade of “**F**” for the entire course.

Laboratory:

Laboratory check in:

For more information click [here](#).

Check in is the only time you will be able to exchange or obtain equipment for your locker without being charged. Follow the instructions on the check in sheet.

Lockers

- You are responsible for the locker assigned to you, and it is to be used exclusively by you. After completing the experiment, ensure all equipment is returned to your drawer and that it is securely locked by tugging on the lock a few times. **NEVER LEAVE YOUR LOCKER OPEN.**
- If your lock is malfunctioning or if you suspect unauthorized access to your locker, you may obtain a different lock at CHM A-003.
- Remember your locker number and lock combination and write them down in a secure place. Bring these numbers with you every time you come to the lab. If you forget the combination, it can be retrieved by presenting your photo ID to the teaching stockroom at (CHM A-003).
- You are required to check out of your locker regardless of whether you complete the course. Failure to do so will result in a \$25.00 fine. Checkout is only allowed at the scheduled time for your section (refer to the syllabus). If you drop the course, see a stockroom attendant at CHM A-003 as soon as possible, or check out during the checkout week at your regularly scheduled lab time.

Pre-lab Assignment

- You must complete the **Prelab** posted on HuskyCT.
- The students who do not complete the **Prelab quiz** before the lab **will NOT be allowed** to do the lab.
- The deadline for each prelab will be **FRIDAY, 11:59 PM**, the weekend before the experiment. If you complete the prelab after the due date but before the lab you will be allowed to participate in the lab but you will not receive the points.
- Requests for extensions on pre-lab assignments are exclusively considered under specific circumstances, primarily arising from a documented, multi-day unforeseen event substantiated through the Dean of Students Office. Please refrain from soliciting extensions via email unless a prior discussion has occurred with an official representative from the Dean of Students Office or the Center for Student Disabilities (CSD).
- Pre-lab assignments, designed to be concise and feasible for completion online, are accessible throughout the week preceding the lab session. Procrastination until the final

moments is discouraged. Instances such as unexpected conflicts or sudden illnesses do not warrant extensions for pre-lab submissions.

Making up the lab work

- If you miss a lab or anticipate missing a lab, contact your TA as soon as possible. If your excuse is legitimate, at the end of the semester the average of all the experiments completed throughout the semester will be used to replace the missed experiment grade.

You will be allowed to do this only **once** in a semester.

- All students (including those taking the course for pass/fail) must perform **all of the experiments** to pass the course. If you have a legitimate written excuse for missing more than **one experiment**, see your instructor. Unexcused absence from more than one laboratory will result in a grade of “F”.

Assignments: (NO EXTENSIONS ON ASSIGNMENTS)

The reason for not granting any extension: There is a week in between two assignments (ACHIEVE). You have plenty of time to complete each assignment. Plan on working on all your assignments during the week. The excuse of losing power, internet access, etc. will not be accepted to grant an extension. Assignment related emails will not be answered over the weekend. You are expected to work on every single assignment before your discussion.

ACHIEVE Online homework:

ACHIEVE provides you with the tools necessary for studying class materials, taking assignments, analyzing your progress, and tracking your grades from wherever you have Internet access.

Worksheets:

Worksheets will be distributed to you by your TA during the discussion session, and you are required to submit a completed worksheet by the end of the discussion.

If you encounter difficulties with problem-solving, **avoid copying** solutions. That will be considered plagiarism and can result in your dismissal from the course or from the School or both.

While collaboration with classmates on problem sets and worksheets is encouraged for learning purposes, the final submission must represent your individual work. If you discuss the worksheet with or collaborate with any student(s) outside your assigned group, you must acknowledge their contribution by **listing their names at the top of your completed assignment**.

Resources for Help:

Professor

In order to make an appointment with Dr. Selampinar please use nexus.uconn.edu

TA Tutoring/Office Hours:

The TAs will keep office hours during the course of the term. You are urged to seek help from the

course instructor and TAs as you need it. It is important not to let things slip – the semester will pass quickly and the workload will overwhelm you if you do not keep up with the schedule.

TA office hours schedule can be accessed via this [link](#).

Q Center:

The Q Center is a tutoring service provided by UCONN for undergraduate courses taking Q courses. In order to find out the details about the Q-Center, please click on <http://qcenter.uconn.edu>

Supplemental Instruction (SI):

The UConn Academic Achievement Center sponsors Supplemental Instruction sessions for general chemistry (1124). These sessions convene twice weekly and are led by an undergraduate student who has excelled in the course.

Communication and Technology:

All students are issued a netid and email account – your TA and I will use the University email account to communicate with you.

The course has a website on the UConn HuskyCT (Blackboard) site. Most of the course information – solutions to problem sets/worksheets, practice material, study guides, etc. will be posted there, as will course announcements.

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**.

Email Etiquette

<https://ugradresearch.uconn.edu/email-etiquette/>

- Keep it concise – Limit your email to essential information only, ideally no more than four to six sentences. Busy faculty members and professionals read emails quickly; a long, detailed email, no matter how well written, will often get ignored. Save the details for follow-up emails and/or conversations.
- Make your “ask” reasonable – When reaching out to a prospective mentor you do not yet know, asking for a meeting to discuss their research is a reasonable request. Asking whether you can join his/her lab or become his/her research assistant is a big request that should wait until after you’ve had a conversation, which gives both of you the opportunity to assess whether this is a good fit.
- Maintain formality – Even if you have spoken with this person before, it’s important to always maintain a formal tone and use formal language in an initial email to faculty or professionals. You never know whether your email might be shared or forwarded, so err on the side of formality.
- Be sincere and genuine – False flattery will not get you far. Only reach out to faculty or other contacts that you have a genuine interest in working with, and never exaggerate or misrepresent your interests.

- Begin emails with appropriate salutation – This goes back to maintaining formality. Though you may begin your everyday emails with “Hey” or “Hi,” using these informal salutations with faculty or professionals may be off-putting or prevent them from taking you seriously. Always begin with “Dear Dr. [Last Name],” “Dear Professor [Last Name],” or “Dear Mr./Ms. [Last Name].”
- Professional contact information – At the end of an email, always provide your email address and phone number. The email address you provide should be professional (first.last@uconn.edu instead of soccerfan95@gmail.com). Your voicemail message should also be professional, clearly stating your name and asking callers to please leave a message. Avoid music playing in the background, slang, and informal language in your voicemail message, as these can ruin the professional impression you are trying to make.
- Be patient – Don’t expect an instant response. Not everyone maintains a constant connection to their email. If you don’t receive a response within 10 business days (weekends don’t count!) you can send a second email. For the second email, simply resend the same email content, and avoid stating that you’re emailing a second time because you did not receive a response to your first email, as some people may find this offensive. If you don’t receive a response to your second email, contact during the faculty member’s office hours to ask your question(s) and begin establishing a relationship, or move on.

About Exams – Please Read Carefully

Accessing online resources, or utilizing any aids during online exams/quizzes are strictly prohibited. Any form of cheating will not be tolerated and will result in a minimum consequence of an “F” grade for the course. For potential University sanctions, refer to “The Student Conduct Code” available at <http://www.community.uconn.edu> by clicking on “Part IV Student Conduct Policies”.

Exams will only be administered at the times specified on **page 11** of this syllabus.

There will be no opportunities for make-ups for missed hour exams. Please take note of the dates and times of hour exams as indicated in your syllabus. It is imperative that you MARK THESE DATES ON YOUR CALENDAR and refrain from scheduling any conflicting events.

Ensure that you are physically prepared to take the exam once started, as all work completed during the exam will be graded and factored into your final course grade. Requests to nullify exam work due to illness at the time will not be accommodated.

In cases of emergency situations such as illness or a death in the immediate family preventing a student from taking a scheduled hour examination: ***on approval by the instructor***, the average grade from all completed exams will be used as a substitute for the missed exam grade.

Undocumented or unapproved absences will result in a score of zero for the missed exam. Failure to notify via email before the missed exam, or as soon as possible following an emergency, will be considered an unexcused absence and result in a score of zero. **Providing false or forged documentation is considered equivalent to cheating and will result in a minimum sanction of an “F” grade for the course.** For inquiries regarding this policy, please consult your instructor.

All students in this course are required to take the final examination at the scheduled time. Absence from or alterations to the timing of the final exam can only be authorized by the Dean of Students office.

There will be **FIVE** midterm exams which will be administered on Fridays at 10:10 AM for students in section 1, and at 11:15 AM for students in section 2, each lasting 50 minutes.

Exam Grades:

Exam grades are posted to HuskyCT or Gradescope.

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 (See Course Outline). Note that once the course grade has been issued, it can be changed **only** if a computational error is shown.

Grading Scale:

Grade Scale: A (100-92.5%)	B+ (89.5-87.5%)	C+ (79.4-77.5%)	D+ (69.4-67.5%)
A- (92.4-89.5%)	B (87.4-81.5%)	C (77.4-71.5%)	D (67.4-61.5%)
	B- (81.4-79.5%)	C- (71.4-69.5%)	D- (61.4-59.5%)
			F (59.4-0%)
Grade Means: Excellent- Very Good	Very Good- Good	Satisfactory- Deficient	Deficient- Unacceptable

Extra Credit:

The points that you collect from these quizzes will be added to your exam total. You can earn an extra maximum of 20 points.

Grade Appeals:

No grades will ever be sent by email, nor will grade appeals be handled by email. If you have a question about your grade, please see the instructor or TA *in person*.

Grading:

	Plan1	Plan2
Exam 1, 2, 3, 4, 5	45%	25%
Final exam	15%	35%
Laboratory	12.5%	12.5%
Discussion	10%	10%

Achieve homework	15%	15%
Collaborative quizzes	2.5%	2.5%
Total	100%	100%

(Plan 1 and Plan 2 depending on the score of each exam)

Plan 1:		Plan 2:	
Highest	14%	Highest	10%
2nd	12%	2nd	8%
3rd	10%	3rd	6%
4th	8%	4th	4%
Lowest	6%	Lowest	2%

Point values:

- **Worksheet:** 5 points each (to be completed in discussion) and uploaded to a folder in HuskyCT **NO LATER THAN** two hours after the end of the discussion session.
- **Prelab quiz:** 10 points each quiz (laboratory)
- **Collaborative quiz:** They will be administered during lecture (unannounced) and the point value may change based on the quiz.
- Grades will be calculated according to both plans and the higher number will prevail.

Additional 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
- Dean of Students Office: 486-3426 www.dos.uconn.edu
- [Policy Against Discrimination, Harassment, and Related Interpersonal Violence | University Policies \(uconn.edu\)](http://www.uconn.edu/policies)

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.

This syllabus is subject to change by the instructor at any time.

Week	Date	Lecture Material	Laboratory/Discussion
1	8/26 – 8/30	Chapter 1	Discussion - Introduction
2	9/2 – 9/6	Chapter 1 and 2	Discussion (chapter1)
3	9/9– 9/13	Chapter 2	Check in/ Experiment 1 – Mass/Volume Relationships
Exam 1 – Friday, September 13, 2024, (Chapter 1)			
4	9/16 – 9/20	Chapter 2/3	Discussion (Chapter 2)
5	9/23 – 9/27	Chapter 3/4	Discussion (Chapter 3)
Exam 2 – Friday, September 27, 2024, in class (Chapter 2)			
6	9/30 – 10/4	Chapter 4	Discussion (Chapter 4)
7	10/7 – 10/11	Chapter 5	Experiment 4 – Chemical Formula
Exam 3 – Friday, October 11, 2024, (Chapters 3 and 4)			
8	10/14 –10/18	Chapter 5	Discussion (Chapter 5)
9	10/21 – 10/25	Chapter 6	Experiment 5 – Gravimetric analysis of phosphate
Exam 4 – Friday, October 25, 2024, (Chapter 5)			
10	10/28 – 11/1	Chapter 7	Discussion (Chapter 5 and 6)
11	11/4 – 11/8	Chapter 8	Discussion (Chapter 7)
12	11/11 – 11/15	Chapter 8	Experiment 8 – Lewis Structures/geometry
Exam 5 – Friday, November 15, 2024, (Chapters 5, 6, and 7)			
13	11/18 – 11/22	Chapter 9	Check out and Experiment 6 - Redox titrations
14	12/2 – 12/6	Chapter 9/review	Discussion (Chapter 8 - 9)

Final Exam – December 11, 2024 at 8:00 am

ACS FINAL EXAM

Exams will be given in class. There are NO MAKEUPS for the in-class exams.

Reading assignments:

Chapter 1:

- 1.1 Classification of Matter
- 1.2 Properties of Matter
- 1.3 Matter and Energy
- 1.4 The Scientific Method, Hypotheses, Theories, and Laws
- 1.5 The International System of Units

Chapter 3:

- 3.1 The Photoelectric Effect
 - omit work function
- 3.2 Emission Spectra
- 3.3 omit only The Uncertainty Principle and Schrodinger equation

Chapter 7:

- 7.5 Molecular Orbital Theory (Omit)

Chapter 8:

- 8.2 Types of Chemical Reactions
- 8.3 Compounds in Aqueous Solutions
- 8.7 Predicting the Products of Redox Reactions