Course Information for Chemistry 1127 – Spring 2023

Instructor: Edward J. Neth, Stamford Campus 3.63, (203) 251-9535, Edward.neth@uconn.edu
Course Web Site: http://huskyct.uconn.edu/

Meetings :	Z81	MWF 9 :05-9 :55 AM		Stamford A2
	Z81L	Lab : M 10 :30 AM-1 :30 PM	Dr. Neth	Stamford 2.43
	Z82L	Lab : M 6 :30 PM-9 :30 PM	Ms. Kraiz	Stamford 2.43

Course Needs:

1. Textbook*: *Chemistry: Atoms First*, 2nd Edition OpenStax 2019
2. Knewton access (see link in HuskyCT) – purchase from link in HuskyCT
3. Chem 101 access (see link in HuskyCT) – purchase from Chem 101 app
4. Laboratory experiment packets will be provided as PDFs
5. Calculator: You will need a calculator capable of doing scientific notation and logarithms. Graphing calculators are acceptable ***provided they are not used to store alphanumeric data.*** No cell phone, tablet or computer calculators.

*The **textbook is available free of charge in electronic format**; low-cost hardbound copies are also available from the bookstore or amazon.com. Kindle (free) and Apple Books ($6.99) editions are also available.

Office hours : Office hours are by arrangement or drop-in. I can also be available through my Webex site : **https://uconn-cmr.webex.com/meet/edn04001**

Attendance

You are expected to attend lecture and laboratory. Many times, announcements are made in lecture; you are responsible for these announcements. Both sessions are vital to the integrity of the course. **The in-class Chem 101 assignments are available only during class. They cannot be made up in case of absence.**

Lecture:

PLEASE READ the chapter and work through the material in the PowerPoint presentations before each class. Your attendance in class benefits you and everyone else! Classes will employ Chem 101 extensively*. Rather than a traditional lecture, these will be hybrid class/workshops. There will be opportunities for small-group interaction and interaction with the instructor, and interactive group and individual work. Underlying the course are the **assignments in Knewton that are critical to material understanding.** These will correlate with material covered in class and be assigned with various due dates (see the Knewton system for the schedule). Available on HuskyCT are solutions to suggested problems from the text. While these will not be collected and graded, doing the problems is key to studying for exams and quizzes. You cannot succeed in science without extensive practice. If you are struggling with material on Knewton, ask questions!

Laboratory:

Laboratory is an integral part of the course. All students (including those taking the course as pass/fail) must complete all of the experiments to pass the course. The laboratory syllabus will be provided separately.

Academic Integrity

Cheating in any form and at any task will not be tolerated. The minimum consequence will be an F for the course. Please see The Student Conduct Code" available at http://dos.uconn.edu/

Student Support Services:

https://stamford.uconn.edu/academics/resources-services/

Final Course Grade:

Note that once the course grade has been issued, it can be changed ***only*** if a computational error is shown. Reconsideration of grades is after they are issued is not permitted by University Registrar policy. Course grades are discussed only in person – never over the phone or by email.

Extra Credit: Extra credit assignments are not possible.

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

Grading:

	Plan A	Plan B
Quizzes	45%	35%
In-class work	5%	5%
Laboratory	20%	20%
Knewton	15%	15%
Final exam	15%	25%
Total	100%	100%

Grades will be calculated according to both plan A and plan B; the higher will be taken.

Quizzes 1-6 will add up to one exam grade (lowest quiz replaced with the highest).

Exams: Lowest 10% Middle 15% Highest 20% (Plan A)

Lowest 7.8% Middle 11.7% Highest 15.5% (Plan B)

Exams are given only at the times and dates noted here. No make-up exams will be given. With instructor approval, the final exam score may be used to replace a missed exam.

Master Schedule

Chemistry 1127 Spring 2023
Course website: http://huskyct.uconn.edu Instructor: Edward J. Neth

Week	Date	Material	
1	1/17-1/20	Chapter 1 and 2	Intro, Matter and Measurements
2	1/23-1/27	Chapter 2	Atoms, Molecules and Ions
3*	1/30-2/3	Chapter 2 and 3	Electronic Structure and Periodic Properties
4*	2/6-2/10	Chapter 3	Electronic Structure and Periodic Properties
5**	2/13-2/17	Chapter 3 and 4	Chemical Bonding and Molecular Structure
6	2/20-2/24	Chapter 4 and 5	Chemical Bonding, Models of Stucture
7*	2/27-3/3	Chapter 5 and 6	Chemical Composition of Substances and Solutions
8	3/6-3/10	Chapter 6 and 7	Stoichiometry
9*	3/20-3/24	Chapter 7	Stoichiometry
10**	3/27-3/31	Chapter7 and 8	Stoichiometry; Gases
11	4/3-4/7	Chapter 8	Gases
12*	4/10-4/14	Chapter 9	Thermochemistry
13*	4/17-4/21	Chapter 9 and 10	Liquids and Solids
14	4/24-4/28	Review	

**Exam 1 (Chapters 1-3) – Friday 2/17 In class
**Exam 2 (Chapters 4-6) – Friday 3/31 In class
* Quiz – Day and coverage TBA in class

Final Exam – Date/time to be determined; week of May 1, 2023

Knewton due dates: Please see the schedule of assignments in Knewton.

Notes on succeeding in chemistry

This is a quantitative course in a multi-dimensional subject. I have designed the course so that it is manageably broken into sections. As you may guess, keeping up with the work is a major key to unlocking success. The course material will build on itself, meaning that there is a cumulative nature to bear in mind as you work your way through the exercises, laboratory, exams and quizzes. Knewton is an excellent way to gauge your course progress. Make your way through it and learn from your mistakes without penalty.

Remember, the purpose of Knewton is to help you solidify your understanding of material so that you will perform well on exams and quizzes. Keep up with it – it is not designed to be done in a marathon session right before or, worse after a quiz.

Chem 101 is a real-time learning and assessment tool. It will be used extensively in class and for assessing course knowledge.

As the semester progresses, and questions or problems arise, be sure to ask! I can only help solve problems I know about.