

CHM 110 Principles of Chemistry I (1659) Summer 2022

Instructor

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Faculty Office hours: MoTuWeTh 2:00 PM-3:00 PM at 6S-252

Course Hours and Location

MoTuWeTh 11:10 AM – 1:50 PM at 5S-217

Mode of Instruction

In person

Course Website

CUNY Blackboard

Description

3 credits. Modern concepts of the atom and chemical bonding, chemical calculations, states of matter, chemistry of water, purification of water, types of solutions, acids and bases, nuclear chemistry, and radioactivity. The concepts necessary for an understanding of our technological society are developed.

Prerequisite

MTH 020 or appropriate math placement

Corequisite

CHM 111 Principles of Chemistry I Laboratory

Required Textbook

CHEMISTRY 110/116 Principles of Chemistry Coursepack, Publisher: Coursepack, Year Published: 2022
ISBN: 9660202225536,

(It can be found at the CSI online Bookstore: <https://csi.textbookx.com/>)

Required Material

Scientific calculator with logarithm function

Course Goals

The student will learn and apply fundamental principles and tools of chemistry, including structure atoms and molecules, nomenclature, chemical reactions, the periodic table, stoichiometry, and states of matter.

Student Learning Outcomes

- (1) The student demonstrates an understanding of fundamental principles of chemistry.
- (2) The student can apply fundamental principles of chemistry to chemical problems.

- (3) The student can apply basic tools of chemistry and scientific analysis to related fields as well as to everyday situations.
- (4) The student demonstrates analytical and problem-solving skills.

Course Requirements and Grading Policy

Your grades will be based on the following:

Class Participation: 5 %	Homework: 20 %	Semester Exam I & II: 30 %
Quizzes: 10 %	Final Exam: 35 %	

Your letter grade will be assigned according to the following guideline:

A: 93-100, A-: 90-92, B+: 85-89, B: 80-84, B-: 75-79, C+ 70-74, C 60-69, D 50-59, F below 50

The grading above is subject to change.

Attendance Policy

You are required to attend each session on time to be counted for attendance. A student who is absent in 4 or more classes in the semester will be assigned a grade of WU.

Homework

Learning chemistry is similar to learning a foreign language where practice is the key. Most students will need to practice additional problems in each topic to have a grasp of that specific topic. Homework assignment will be posted on the Blackboard. The due dates will be announced in class. Each homework is 20 points. Late homework will be accepted but you will receive a penalty by losing 10 points per late day.

In addition to the assignment, you should also keep up with the textbook. As you read through each chapter, complete the textbook problems placed within the reading to test yourself to see if you truly understand the reading.

Quiz and Exam

1. **Two 1-hour semester exams** will be given at the regular class hours.
Exam 1: June 9
Exam 2: June 16
2. **Five 10-min quizzes** will be given at regular class hours during the semester. Quiz dates will be announced in class. See also the tentative schedule. Students are allowed to drop one of the quizzes with the lowest score.
3. The comprehensive departmental **final exam (June 27)** will cover the entire semester's work.
4. The following online exam rules apply in CHM 110:
 - 1) Each quiz or exam will start at the beginning of a class. No extra time will be given.
 - 2) No makeup exams or quizzes will be given.

Withdrawal Policy

According to CSI's Summer 2022 Academic Calendar, the last day to withdraw from a class with the grade of W is June 26, 2022.

CUNY Policy on Academic Integrity

Academic dishonesty is prohibited in The City University of New York. Penalties for academic dishonesty include academic sanctions, such as failing or otherwise reduced grades, and/or disciplinary sanctions, including suspension or expulsion. This policy also defines example of academic dishonesty: cheating, plagiarism, obtaining unfair advantage, and falsification of records and official documents. To read the full policy, please visit the following website:

https://www.csi.cuny.edu/sites/default/files/pdf/privacy/cuny_academic_integrity.pdf

All students are expected to follow the CUNY policies related to academic integrity. You must work independently on your quiz, homework and exams. Students who receive or give any help during a quiz, or examination are considered cheating and will automatically receive a **grade of F** for the course. Also, any academic dishonesty will be reported to the college authority.

Behavior

Every student is entitled to full participation in class without interruption. All students are expected to attend classes and be prepared to begin on time. Disruption of class by inconsiderate behavior will NOT be tolerated. Repeated violations will be penalized and may result in expulsion from class.

Reasonable Accommodations and Academic Adjustments

The City University of New York, in compliance with Section 504 of the Federal Rehabilitation Act of 1973 ("Rehabilitation Act"), the Americans with Disabilities Act of 1990 ("ADA"), New York State Executive Law §296, and New York City Human Rights Law, provides qualified individuals with disabilities the opportunity to participate in programs, activities, or employment. For more information and access to the full policy please visit: <https://www.csi.cuny.edu/about-csi/diversity-csi/office-diversity-compliance/reasonable-accommodations-and-academic-adjustments>

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe that you have a disability requiring an accommodation, please contact the Center for Student Accessibility at 718.982.2510/ CSA@csi.cuny.edu. For more information please visit: www.csi.cuny.edu/csa/ . You must notify your instructor about the accommodation at the beginning of the semester.

Campus (Cix) Email

Students are expected to check their campus (cix) email regularly. Students must recognize that certain communications, may be time-sensitive, and they may be required to monitor email on a more frequent basis than determined by instructional needs. If students have issues accessing their campus (cix) email please email the helpdesk@csi.cuny.edu or visit the [Virtual Computer Lab](#).

Tutoring and Academic Assistance

The College offers tutoring to students, free of charge. For a complete list of the Tutoring Centers please visit <https://www.csi.cuny.edu/students/academic-assistance/tutoring>.

Technical Help for Blackboard

If you need help with Blackboard and other technology required for the course, please contact Office of Information Technology Services HelpDesk by email: Helpdesk@csi.cuny.edu, phone: 1-718-982-HELP (4357) or website: [Help Support and Resources](#).

Subject to Change Statement

This syllabus and course calendar/schedule are subject to change in the event of extenuating circumstances.

Tentative Schedule

Approx. Dates	Topics	Reading	Quiz/Exam	Homework	Due dates
May 31	The Language of Chemistry	Chapter 1			
June 1					
June 2	Atomic Structure	Chapter 2	Quiz 1: Ch. 1	Homework 1	June 6
June 6	Molecules and Chemical bonds	Chapter 3			
June 7			Quiz 2: Ch.2		
June 8	Chemical Calculations	Chapter 4			
June 9			Exam I: Chs. 1-3	Homework 2	June 13
June 13	The Physical Properties of Gases	Chapter 5			
June 14	Interaction between Molecules	Chapter 6	Quiz 3: Ch.5		
June 15	Solutions	Chapter 7	Quiz 4: Ch.6		
June 16	Chemical Reactions	Chapter 8	Exam II: Chs. 4-6	Homework 3	June 21
June 21	Acids, Bases, and Buffers	Chapter 9			
June 22			Quiz 5: Ch.8		
June 23	Chemical & Biological Effects of Radiation	Chapter 10			
June 27			Final Exam: Chs. 1-10		

Student agreement

I have read the syllabus for CHM 110 Summer 2022 (1659) and I agree to abide by all policies and requirements stated in the syllabus.

Print Name: _____

Signature: _____

Date: _____