

## CHM 100 Introduction to Chemistry Section 18659 Syllabus

### INTRODUCTION TO COURSE AND INSTRUCTOR

<b>Semester</b> Spring 2023	<b>Program/Department</b> Chemistry
<b>Course Name</b> Introduction to Chemistry	<b>Instructor Name</b> Hong-Bin Yu
<b>Credits and Hours</b> 3 credits 3 lecture hours + 1 recitation hour	<b>Office Location</b> 6S-228 <b>Phone</b> 718-982-3952
<b>Mode of Instruction</b> In person	<b>Office Hours</b> Mon. Wed. 10:00am-11:30am.
<b>Time</b> Mon. Wed. 2:30 PM- 4:25 PM	<b>E-Mail</b> Hongbin.yu@csi.cuny.edu
<b>Location</b> 6S-138	<b>Course Website</b> CUNY Blackboard
<i>If there are questions or concerns that you have about this course that you and I are not able to resolve, please feel free to contact the Chair of the department to discuss the matter.</i>	
<b>CHAIR/PROGRAM DIRECTOR'S NAME</b>	Qiao-Sheng Hu
<b>DEPARTMENT NAME</b>	Chemistry
<b>CHAIR/PROGRAM DIRECTOR'S EMAIL</b>	Qiaosheng.Hu@csi.cuny.edu
<b>DEPARTMENT/PROGRAM PHONE NUMBER</b>	718-982-3900

### COURSE DESCRIPTION AND PRE/COREQUISITES

- Course material includes matter and energy, atoms and molecules, the periodic table, nomenclature, equations, mole concept, stoichiometry, solutions.
- Prerequisite: MTH 025 or MTH 030.
- Corequisite: CHM 101
- Note: This course is intended for those students who have had no previous chemistry and for those returning to the subject after some years. The course is designed to prepare students for entry into CHM 141.

### REQUIRED COURSE MATERIALS

- Textbook: *Introductory Chemistry*, 9th Ed.; Zumdahl, DeCoste, ISBN-10: 1337399523; ISBN-13: 9781337399524
- Internet access
- CUNY Blackboard Access
- Scientific calculator with logarithm function

### COURSE GOALS

- The student will comprehend how Chemistry is important and relevant in daily life.
- The student will learn and apply fundamental principles of structure atoms and molecules, nomenclature and chemical reactions.

- The student will learn and apply basic tools of Chemistry and Scientific Analysis, including the periodic table, stoichiometry, and states of matter.
- The student will demonstrate analytical and problem solving skills.

## **COURSE REQUIREMENTS/ASSIGNMENTS**

### **Exams and Quizzes:**

- **Exam:** Three in person exams are given synchronously at the regular class hour. The exams count as 40% of the course grade. You are allowed to drop one exam score. No makeup exam will be given.  
**Tentative Exam Dates:** Exam 1: February 27  
Exam 2: March 29  
Exam 3: May 3
- **Quiz:** Four quizzes will be given at regular class hours. The date of the quiz will be announced in class. You are allowed to drop one quiz score. Quizzes count as 20% of the grade. No makeup quiz will be given.
- **Final Exam:** The in person comprehensive final exam (**May 18**) covers the entire semester's work and counts as 25% of the grade. No makeup final exam will be given.

### **Homework:**

Learning chemistry is similar to learning a foreign language where practice is the key. You must complete the assignments on time to receive the credit. Online problem sets homework will be assigned on Blackboard. It is highly recommended that you finish the corresponding assignment after each lecture. Homework assignment counts 15% of the grade. Late homework will not be accepted.

## **GRADING POLICY AND EVALUATION**

The course final grade is based on the homework and exam scores.

Exam	40%
Quiz	20%
Final Exam	25%
Homework	15%

## **TENTATIVE COURSE CALENDAR/SCHEDULE**

The following is a tentative outline of the lecture schedule for **CHM 100**. Students are strongly advised to read the corresponding chapter in the textbook before attending the lecture. It is very important to get a good start and not fall behind.

Lesson	Topic	Reading
Lesson 1	Chemistry: An Introduction	Chapter 1
Lesson 2, 3, 4	Measurements and Calculations	Chapter 2
Lesson 5	<b>Quiz 1</b> ; Chapter 3	
Lesson 6	Matter	Chapter 3
Lesson 7, 8	Chemical Foundations: Elements, atoms and ions	Chapter 4
Lesson 9,	<b>Exam 1 Chapters 1, 2, 3, 4</b>	
Lesson 10, 11, 12	Nomenclature	Chapter 5
Lesson 13	<b>Quiz 2</b> ; Chapter 6	
Lesson 14, 15	Chemical Reactions: An Introduction	Chapter 6
Lesson 16, 17	<b>Quiz 3</b> ; Reaction in aqueous solution	Chapter 7
Lesson 18	<b>Exam 2 Chapters 5, 6, 7</b>	
Lesson 19, 20	Chemical Composition	Chapter 8
Lesson 21	<b>Quiz 4</b> ; Chapter 9	
Lesson 22, 23, 24	Chemical Quantities	Chapter 9
Lesson 25	<b>Exam 3 Chapters 8, 9</b>	
Lesson 26, 27, 28	Solution	Chapter 15
<b>Final Exam Chapters 1-9, 15</b>		

### ***SUBJECT TO CHANGE STATEMENT***

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

### ***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. Please visit the following website to read the full policy: [https://www.csi.cuny.edu/sites/default/files/pdf/privacy/cuny\\_academic\\_integrity.pdf](https://www.csi.cuny.edu/sites/default/files/pdf/privacy/cuny_academic_integrity.pdf)

### ***REASONABLE ACCOMODATIONS 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](mailto:CSA@csi.cuny.edu). For more information please visit: [www.csi.cuny.edu/csa/](http://www.csi.cuny.edu/csa/).

### **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>

### **COURSE POLICIES**

Attending every class is one of your learning commitments as a college student. Your attendance will be recorded. If you miss 15% (two days of summer class) or more of class hours, you will automatically receive a **WU** (Withdraw Unofficially) grade. If you are absent from class, it is your responsibility to check on announcements made while you were away. No makeup exams will be given. A missed exam will be counted as a zero score.

According to CSI Academic Calendar, the last day to withdraw with the grade of "W" is May 16, 2023.

### **CAMPUS (CIX) EMAIL**

Students are expected to check 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](mailto:helpdesk@csi.cuny.edu) or visit the [Virtual Computer Lab](#).

Lecture notes and general announcements will be posted on Blackboard. If you are from another school, make sure your email address on Blackboard is up to date. All announcements will be either announced in class or emailed through Blackboard.