CHM 106 Chemistry for Today I (19434) Spring 2023

Instructor

Dr. Paul Marty De Leon
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Faculty Office hours: Thursday 2:00 PM – 3:30 PM at 6S-203

Course Hours and Location

Tuesday 12:20 PM – 2:15 PM; Thursday 12:20 PM – 1:10 PM

Location

3S-102

Mode of Instruction

In person

Course Website

CUNY Blackboard
OWL website: http://www.cengage.com/owlv2/

Chairperson of Chemistry Department

Name: Dr. Qiao-Sheng Hu Email: QiaoSheng.Hu@csi.cuny.edu Telephone: 718-982-3900
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.

Description

3 hours; 3 credits. Basic chemical concepts including atomic theory, the nature of molecules, chemical formula and equations, bonding, gas laws, nuclear chemistry, oxidation-reduction, and acids and bases. (scientific analysis) (required core science).

Prerequisite

MTH 020 or an appropriate math placement

Corequisite

CHM 107

Required Textbook

CHEM2 : Chemistry in Your World (with OWLv2 24-Months Printed Access Card), Author: Hogg, Publisher: Cengage, Edition: 002, ISBN: 9781133962984, ISBN10: 113396298X.
Instructor uses OWLv2 online homework platform for CHM 106. Please be sure that access to this platform is included as it is required material.

How to buy your Course Materials
Step 1: Sign into Blackboard and click on Chemistry for Today I CHM106
Step 2: Click on the Cengage link in Homework folder: CHM106 Chemistry for Today I
Step 3: Create or sign into your Cengage account to access or purchase the materials for this course.

Beware of sites that are selling discounted codes. These sources are likely unauthorized sellers who have acquired access codes illegally, and transactions with such sources may pose a risk to your personal information.

Required Material

Scientific calculator with logarithm function

Course Goals

At the end of the course students should possess a representative understanding of the basic concepts of chemistry and be excited by the vast possibilities that chemistry has to offer.

Student Learning Outcomes

(1) Students will learn and understand the language of Chemistry
(2) Students will learn and understand basic chemical concepts.
(3) Students will be able to perform basic chemical calculations.
(4) Students will gain an appreciation for how chemistry is useful in everyday life.

Course Requirements and Grading Policy

Your grades will be based on the following:

Class Participation: 5 %	Homework: 20 %	Semester Exam I, II & III: 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 49
The grading above is subject to change.

Attendance Policy

Attending every class is one of your learning commitments as a college student. If you are absent for 15% (equivalent to **4 lessons) or more** class hours during the semester, you will receive a **WU** (Withdraw Unofficially) grade.

Quiz and Exam

1. **Three semester exams** will be given at the regular class hours.
   Exam I: February 28
   Exam II: March 23
   Exam III: April 18

2. **Four 10-min quizzes** will be given at regular class hours. The dates of the quiz will be announced in class. Students are allowed to drop one of the quizzes with the lowest score.
3. The comprehensive **Final Exam** will cover the entire semester's work**.**
4. The following exam rules apply in CHM 106:
    1) Each quiz or exam will start at the beginning of a class. No extra time will be given.
    2) Scientific calculator is required for all tests. Electronic devices such as cell phones, smart watches, tablets and etc. are prohibited during the test.
    3) Exam scores will be posted on Blackboard.
    4) No makeup exams or quizzes will be given.

Homework

Learning chemistry is similar to learning a foreign language where practice is the key. CHM106 uses OWLv2 online homework platform. You need to purchase the textbook with OWLv2 Access Card or buy the access code alone online. A used or rented textbook doesn't have a valid online access code since the access code is not transferable. It is highly recommended to finish the corresponding assignment after each lecture. Late homework will not be accepted.

Go to Homework folder and click each Homework.

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.

Withdrawal Policy

According to CSI's Spring 2023 Academic Calendar, the last day to withdraw from a class with the grade of W is May 16, 2023.

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.

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. The 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.

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 .

The Chemistry Department also provides free tutoring (TBA).

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

The following is a tentative outline of the lecture schedule for CHM 106. 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.

Approx. Dates	**Topics**	**Reading**	**Quiz/Exam**	**Homework (Due date)**
Jan 26 Jan 31	Living in a World of Chemistry	Chapter 1		
Feb 2 Feb 7	The Chemical View of Matter	Chapter 2		Homework for Chapter 2 (Feb 9)
Feb 9 Feb 14 Feb 16	Atoms and the Periodic Table	Chapter 3	Quiz 1 (Ch. 2)	Homework for Chapter 3 (Feb 23)
Feb 23 **Feb 28** Mar 2 Mar 7	Chemical Bonding and States of Matter	Chapter 5	**Exam I (Chs. 1, 2 & 3)**	Homework for Chapter 5 (Mar 9)
Mar 9 Mar 14 Mar 16	Chemical Reactivity; Chemicals in Action	Chapter 8	Quiz 2 (Ch. 5)	Homework for Chapter 8 (Mar 21)
Mar 21 **Mar 23** Mar 28	Acid-Base Reactions	Chapter 9	**Exam II (Chs.5, 8)**	Homework for Chapter 9 (Mar 30)
Mar 30 Apr 4	Oxidation-Reduction Reactions	Chapter 10	Quiz 3 (Ch. 9)	Homework for Chapter 10 (Apr 18)
Apr 18 Apr 20 Apr 25	Energy and Hydrocarbons	Chapter 12	**Exam III (Chs.9, 10)**	Homework for Chapter 12 (Apr 27)
Apr 27 May 2	Nuclear Changes and Nuclear Power	Chapter 13		Homework for Chapter 13 (May 4)
May 4 May 9	Organic Chemicals and Polymers	Chapter 14	Quiz 4 (Chs. 12, 13)	Homework for Chapter 14 (May 11)
May 11 May 16	The Chemistry of Life	Chapter 15		Homework for Chapter 15 (May 18)
(May 17-23)			**Comprehensive Final Exam**	