

Valencia College West Science Department
Summer 2021 CHM 1025C Introduction to General Chemistry
Online

*This course will be taught online for the semester of Summer 2021.

*See page 7 for more information on labs.

Professor

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Office Hours: Tuesday 1-3pm via Zoom (Zoom office hour link will be emailed to class)

Course

Name: Introduction to General Chemistry
CRN 33824 (Term 202130)
Description: Prepares students without high school chemistry or with inadequate background for CHM1045C. Modern chemical theories used to develop understanding of fundamentals of inorganic chemistry and its applications. Emphasis on quantitative relationships, using dimensional analysis to solve problems. Laboratory experiences are integral part of course. May not be taken for credit subsequent to earning C or better in CHM 1045C.

Prerequisites: One year of high school algebra or minimum grade of C in MAT 0020C or MAT 0024C or appropriate score on an approved assessment.

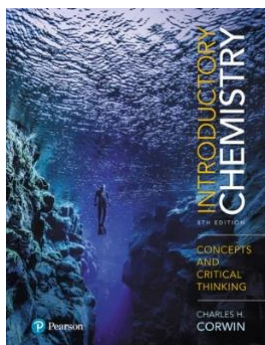
Co-requisites: None

Educational Materials

Textbook:

- ◆ Introductory Chemistry: Concepts and Critical Thinking (Valencia Edition). Charles H. Corwin. Prentice Hall ISBN: 9781323688090
*or (you do not need both, only one of these two texts)**
- ◆ Introductory Chemistry: Concepts and Critical Thinking (8th Edition). Charles H. Corwin. Prentice Hall ISBN: 9780134421377

**You can get access to e-Textbook on Pearson via this link,*
<https://www.pearson.com/store/p/introductory-chemistry-concepts-and-critical-thinking/P100002458308>



Lab Manual: Laboratory materials will be available online in CHM 1025C course modules on Valencia Canvas.

Other:

- ◆ Scientific calculator (student must bring to lecture for quizzes and class work)
- ◆ Accessibility to computer and internet.
- ◆ Access to lecture slides and additional materials will be given to students, but it is the student's responsibility to download and print them as students need. They **will not be** a replacement for the textbook.

Assessment Process

◆ Two one hour exams (2 x 100 pts)	200 pts	25.00%
◆ 1 Comprehensive Final Exam	200 pts	25.00%
◆ Homework and quizzes	200 pts	25.00%
◆ Laboratory	200 pts	25.00%
		Total = 800 pts

Final Grade: A = 800 – 720 pts; B = 719 – 640; C = 639 – 560; D = 559 – 480; F = 479 – 0

Attendance

Regular attendance and class participation are the most important factors that promote success in college. Attendance for online course will be counted as the completion of assignments by the due date. If the student miss or submit late for one assignment, the attendance will be counted as absence or late for the day assignment is due. Read each chapter during the week its module is delivered on Canvas, view lecture resources and complete corresponding assignments on time. Student absences which exceed **ten percent** of the total amount of class meeting times including labs may lead to a withdrawal from the course without prior notice. Students are responsible for contacting the instructor if they cannot complete their assignment on time to attempt to have the absence excused. Extra credit may be given for attendance records; this does not include excused absences and is explained more in the extra credit section.

Available Resources

Copies of the PowerPoint slides will be made available online. These are meant as supplemental resources to facilitate multiple exposures to the material and to improve learning, not as a substitute to attending class.

Policies

Make-Up: There will be NO make-up quizzes, exams, or late homework without proper reasoning. Please communicate with your professor as early as possible so that any issues can be resolved in a timely manner.

Cheating: If caught, on a quiz or test the assignment grade will result in a zero. Repeated offences will then result in a failing course grade. The student will then further be sent to Dr. Bob Gessner the Dean of Science. If caught a second time the student would then receive an F for the course as well as be referred to the Dean of Students for further action.

Final Exam: The final examination in this course is MANDATORY. Any student not completing the exam will receive a grade of F for the course. The exam will include a cumulative section.

Extra Credit: This is optional depending on if instructor deems necessary. Depending on attendance records a total of up to 10 extra credit points can be given at the end of the semester. Any absences for whatever reason will be calculated in giving these points. Other opportunities include survey points which will be mentioned later in the semester.

Withdrawal: Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the established deadline for a particular term will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline. Professor do not withdraw students after the withdrawal deadline.

Students with Disabilities: Students with disabilities who qualify for academic accommodations must provide a letter from the Office of Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

Academic Honesty: Plagiarism is defined as claiming as your own a paper, report, article, or speech which in whole or in part was prepared by someone other than yourself. Cheating on an exam or copying someone else’s laboratory report is also a violation of this policy. A violation of this policy can result in failure of an assignment, the entire course, or your current status as an active student. Each student is expected to be informed and compliant with the college policy on academic honesty as stated in the Student Handbook.

Expected Student Conduct: Valencia College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty to leave the class. Violation of any classroom or Valencia’s rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class,

disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.

College Resources: A full description of all college policies can be found in the [College Catalog](#), [Policy Manual](#) and the [Student Handbook](#).

Valencia Student Core Competencies: Valencia faculties have defined four interrelated competencies (Think, Value, Communicate, and Act) that prepare students to succeed in the world community. These competencies are outlined in the college catalog. In this course, through lecture and discussion, group work, and other learning activities, you will further develop your mastery of those competencies.

Computer/Equipment Use: Use of computers in the Business, IT, and Public Service classrooms at Valencia College is restricted to those activities designated by the instructor to enhance the class materials. Any other use is strictly forbidden. Inappropriate use includes, but is not limited to:

- Use of computer to send Email or access Internet sites not specifically assigned in class.
- Use of computer for job, internship, or other activities not assigned in class.
- Modifying any hardware or software system configuration or setting.
- Activities not in accordance with the Valencia Student Code of Conduct.

Use of computers in the departmental open lab is limited to those activities involved with preparing homework or coursework in this department and is subject to the same restriction as listed above. Computer use is remotely monitored; any student using computers inappropriately may be subject to dismissal from class or banishment from the lab. Subsequent offense may be sent to the campus administration for further disciplinary action.

Student Assistance Program: Valencia College is interested in making sure all our students have a rewarding and successful college experience. To that purpose, Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. BayCare Behavioral Health Student Assistance Program (SAP) services are free to all Valencia students and available 24 hours a day by calling (800) 878-5470. Free face-to-face counseling is also available.

Learning Outcomes

Students should become proficient with chemistry concepts as well as skills to complete common chemistry problems. Topics which will be taught are listed but not limited;

1. Significant figures
2. Stoichiometry
3. Physical and chemical characteristics
4. Atomic structure and quantum theory
5. Periodicity
6. Chemical bonding
7. Gas behavior
8. Fundamental nature of light
9. Molecular geometry

Important Dates

Drop/Refund Deadline: May 17, 2021

Memorial Day: May 31, 2021

Independence Day observed: July 2, 2021

Withdrawal deadline to receive a “W” is July 2, 2021

Final Exam: Friday, July 30, 2021*

** Always verify the Finals Calendar on Valencia’s Website for the final exam’s date. Exams will be proctored online.*

Proctored Exam Requirement

This course utilizes Honorlock, an online exam proctoring service, to promote academic integrity during online testing. You do not need to create an account, download software, or schedule an appointment in advance. Honorlock is available 24/7. After you verify your identity and scan your room, you can begin your exam. Honorlock will record you via webcam, as well as record your screen activity. Honorlock’s system also includes a process that can detect inappropriate search-engine use, while protecting the privacy of your personal information. The recorded information will be subject to the protection of the College’s policy on Student Records.

To take an online exam, you will need:

- A laptop or desktop computer with a microphone (not a tablet or phone)
- A webcam
- Reliable Internet connection
- Photo identification in the form of a Valencia-issued student ID card or government-issued ID card (i.e. driver’s license, passport)
- [Google Chrome \(Links to an external site.\)](#) downloaded (required browser)
- [Honorlock Chrome Extension \(Links to an external site.\)](#) downloaded

Honorlock support is available 24/7/365. Support access is built into Honorlock in real-time.

If you encounter any issues during an exam, you can contact support by live chat within the Honorlock window in Canvas, by phone (855-828-4004), and/or by email at support@honorlock.com. For answers to common questions on online proctoring, visit the [Student FAQLinks to an external site.](#) page or [Honorlock’s student information website \(Links to an external site.\)](#).

Tentative Schedule of Classes

Date	Activity
	Chapter 1: Introduction to Chemistry
	Chapter PSS: Pre-requisite Science Skills
	Chapter 2: The Metric System
	Chapter 3: Matter and Energy
	Chapter 4: Models of the Atom
Week of Jun. 7, 2021	Exam #1 CH 1-4
	Chapter 5: The Periodic Table
	Chapter 6: Language of Chemistry
	Chapter 7: Chemical Reactions
Week of Jul. 1, 2021	Exam #2 CH 5-7
	Chapter 8: The Mole Concept
	Chapter 10: Gases
	Chapter 12: Chemical Bonding
	Chapter 13: Solutions
	Chapter 14: Acids and Bases
Jul. 30, 2021	Final Exam Comprehensive + CH 8,10, 12-14

Disclaimer Statement: Not all chapters will be covered in their entirety. The instructor will guide you as to what portion of the chapters will be included. This outline may be altered, at the instructor's discretion, during the course of the term. It is the responsibility of the student to make any adjustments as announced.

**CHM 1025C Lab, Introduction to General Chemistry
Valencia Canvas Online**

Educational Materials

Text: Online lab resources.

Other: Internet, Computer and Scientific Calculator

Attendance

There will be NO make-up laboratories. Be punctual, to submit lab assignment.

Lab Assignments

Pre-Lab Assignments: The pre-lab consists of questions which can be found near the end of each experiments procedure. Each experiment has one prelab.*

Lab Practical: A custom lab practicum will be delivered online based on knowledge of lab equipment and techniques.*

Lab Reports and Post Labs: Lab reports will consist of an organized copy of the lab data with calculations. A final conclusion based off the lab experiment will be required along with any post lab questions. One report for each experiment. Students need to pay attention to lab assignment due date.

**Pre-lab, lab practical and lab report will be counted as 20 points totally for each experiment.*

Tentative Schedule of Labs

Week	Date	Lab #	Experiment Title
1	May 10	1	Lab Skills / Measurements / Errors
2	May 17	2	Density of Solids and Liquids
3	May 24	3	Emission and Flame Spectra
4	Jun 1	4	Periodic Table of the Elements
5	Jun 7	5	Electron Configuration
6	Jun 14	6	Nomenclature Lab Module
7	Jun 21	7	Reactions in Solutions
8	Jun 28	8	Empirical Formula
9	July 5	9	Precipitating Calcium Phosphate
10	Jul 12	10	Generating Hydrogen Gas
11	Jul 19	11	Analysis of Vinegar
12	Jul 26	--	Final class week – No Labs

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