



General Chem I-13635

CHEM-1311

SS 2022 Section 036 3 Credits 02/14/2022 to 05/15/2022 Modified 02/04/2022

Course Meetings

Course Modality

Online Anytime (WW)

Meeting Days

Online Anytime (No specific meeting days)

Meeting Times

Online Anytime (No specific meeting times)

Meeting Location

Eagle Online Canvas

Welcome and Instructor Information

Instructor: Dr. Anuoluwa Adegoke

Email: anuoluwa.adegoke@hccs.edu

Office: Northwest College, Spring Branch

Phone: 7137185785

What's Exciting About This Course

Chemistry is an incredibly fascinating field of study. It is so fundamental to our world and plays a role in everyone's lives. In this course, you will learn so much about how we can use chemical principles to have a clear understanding of a host of phenomena that occurs around us everyday; the changes that produce brilliant colors of tree leaves, the cascade of bubbles you notice when you mix vinegar and baking soda, how bonding and structure in molecules influences their properties, how energy is produced, the impact of energy on our everyday activities, why lasers produce light with very specific colors, the role of salt in our bodies, causes, sources and remediation of environmental pollution, all these and many more will be explored in detail in this course.

My Personal Welcome

Welcome to General Chemistry—I'm delighted that you have chosen this course. One of my passions is how the relationship between molecular structures and predicted properties largely influence design of new chemicals, and I can't wait to pass it on. I will present the information in the most exciting way I know, so that you can grasp the concepts and apply them now and hopefully throughout your life. As you read and wrestle with new ideas and facts that may challenge you, I am available to support you. The fastest way to reach me is by my HCC email. My goal is for you to walk out of the course with a better understanding of how you can use chemistry concepts and chemical principles in real-life. Please contact me whenever you have questions.

Preferred Method of Contact

Please feel free to contact me concerning any problems that you are experiencing in this course. Your performance in my class is very important to me. I am available to hear your concerns and just to discuss course topics. Your CANVAS Inbox or HCC Email address is required as the preferred method of contact, should you contact me, please use your HCC CANVAS Inbox. I will only be able to send correspondence from Eagle online to your student account. I will reply to messages within 24-48 hours. I will reply to weekend messages on Monday mornings. Please do not wait until last minute to make urgent request.

Office Hours

By Appointment
Canvas conference online

Course Overview

Course Description

This course is intended for students majoring in one of the physical sciences or life sciences, engineering, or for students who are pursuing pre-professional programs in medicine, dentistry, pharmacy, veterinary medicine, or other health programs. The course is also beneficial to students who are preparing themselves for higher level science courses in their respective curricula. Core curriculum course.

Science and engineering majors study atomic structure, chemical reactions, thermodynamics, electronic configuration, chemical bonding, molecular structure, gases, states of matter, and properties of solutions. The laboratory includes appropriate experiments.

Requisites

This course requires college-level reading and writing skills. Research indicates that you are most likely to succeed if you have already taken and passed Reading 0342, Math 0312 and Writing 0310 / 0349 or Math 0312 with INRW 0420. For this course, additional prerequisites are completion of one year of high school chemistry or CHEM 1305 (Introduction to Chemistry) and MATH 1314 (College Algebra). Other minimum requirements for enrollment in CHEM 1311 include placement in college-level reading (or take INRW 0420). It is also highly recommended to take the corresponding lab, CHEM 1111 with CHEM 1311. If you have enrolled in this course having satisfied these prerequisites, you have a higher chance of success than students who have not done so.

Please carefully read and consider the repeater policy in the [HCCS Student Handbook](#).

Department Website

<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/chemistry/>
(<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/chemistry/>)

Core Curriculum Objectives (CCOs)

The HCCS Chemistry Discipline Committee has specified that the course address the following core objectives:

- Reading/ Writing: Students will engage in reading and writing activities through the lecture course via required/optional readings of the textbook and class notes as well as practice exercises geared towards mastery of content.
- Speaking/Listening: Students will learn to communicate questions and ideas with the instructor while listening to lecture topics and engaging in meaningful discussion.
- Critical Thinking: Students will demonstrate a deeper understanding of chemical concepts through studying chemical theory and calculations and solving both conceptual and mathematical problems. As the course is comprehensive, content will build on itself and connections to broader chemical topics may also be made.
- Computer/Information Literacy: Students will engage in utilization of computer and written references as resources as they proceed through the course. A LMS is also utilized for the course.

Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs) for all CHEM Courses

Can be found at <http://learning.hccs.edu/programs/chemistry>

Course Student Learning Outcomes (CSLOs) for CHEM 1311

SLO 1. Give names and formulas of elements, ions, and ionic and molecular compounds.

SLO 2. Categorize, complete, and balance chemical reactions.

SLO 3. Do chemistry calculations involving reaction stoichiometry and energy changes.

SLO 4. Relate the properties of electromagnetic radiation (frequency, wavelength, and energy) to each other and to the energy changes atoms undergo which accompany electronic transitions.

SLO 5. Identify the parts of the periodic table and the trends in periodic properties of atoms.

SLO 6. Relate the properties of gases with the gas laws and extend the application of these relationships to reaction stoichiometry, gas mixtures, and effusion/diffusion of gases.

SLO 7. Depict chemical bonding with dot structures and valence bond theory and determine the molecular shapes (geometry) of molecules based on VSEPR and valence bond theory.

LO 8: Calculate density and relate the value to mass and volume measurements for all physical states.

SLO 9: Covert measurements in Metric, SI, and American systems

SLO 10: Apply thermochemical principles to evaluate work, heat, and energy relationships based on specific heat, calorimetry, and temperature changes.

Learning Objectives for each CSLO can be found at [Learning Objectives for CHEM 1311](#).

Departmental Practices and Procedures

This course requires a comprehensive final exam.

Department Specific Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through class activities, discussions, and lectures
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness and make up
- Provide the course outline and class calendar which will include a description of any special projects or assignments
- Arrange to meet with individual students before and after class as required

To be successful in this class, it is the student's responsibility to:

- Attend "online" class and participate in class discussions and activities
- Read and comprehend the textbook and instructor notes
- Complete the required assignments and exams
- Practice problems
- Ask for help in a timely manner when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Keep up with your grades which will be posted in the Canvas Gradebook

- Attain a raw score of at least 70% on all assignments
- Take the final exam during the designated testing period
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](#)

Program-Specific Student Success Information

Add Content Here

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as your guide.

Instructional Materials and Resources

Instructional Materials

The [HCC Online Bookstore \(https://hccs.bncollege.com/shop/hccs-central/page/find-textbooks\)](https://hccs.bncollege.com/shop/hccs-central/page/find-textbooks) provides searchable information on textbooks for all courses.

Textbook and Course Materials Information

The materials listed below are *required* for this course.

1. TEXTBOOK: EITHER ONE OF TWO OPTIONS:

E-Text: Brown, LeMay Jr, Bersten, Murphy, Woodward, Stoltzfus. (2015). *Chemistry : The Central Science*, 14th ed., Pearson, MN.

ISBN 978 013 687 3891

Direct access for e-Text only, Mastering Chemistry not included

18 weeks

Textbook available at HCC Bookstores or other online retailers.

OR

E-Text plus Mastering Chemistry Bundle :

Brown, LeMay Jr, Bersten, Murphy, Woodward, Stoltzfus. (2015). *Chemistry : The Central Science*, 14th ed., Pearson, MN.

ISBN 978 013 678 1509

(also available at BN HCC Bookstore)

Note: Mastering Chemistry is Recommended NOT required for this course.

2. A Nonprogrammable scientific calculator.

3. Webcam-enabled computer and stable internet connection, NO CHROMEBOOKS SUPPORTED FOR THE EXAMS.

✓ Course Requirements

Assignments, Exams, and Activities

Tests: (3) non-cumulative tests: 60%

Homework and Selected Exercises: 15%

Final Exam: 25%

Type	Weight	Topic	Notes
Written Assignment	15%	Homework and Selected Exercises	<p>Homework is a graded component of this course. The homework problems are selected from the prescribed textbook. These are for your benefit and for preparation for the chapter exams. You are encouraged to type your homework, but if you cannot type, you may hand-write it; the handwriting must be neat and legible to receive a grade. Homework must be the student's original work, with all problems worked out (no answers only), numbered correctly, and legible to get credit. Participating in homework completion will help reinforce the material and better enable you master the content. Completed homework MUST be submitted on CANVAS via file upload by the due dates (Email submission are not allowed). Acceptable files for submission on CANVAS are pdf. or word files.</p> <p>Homework question numbers from the prescribed textbook are on Canvas.</p>

Type	Weight	Topic	Notes
Exams/Quizzes	60%	Three non-cumulative exams	<p>Three non-cumulative online exams and a comprehensive final exam (online) will be administered throughout the semester, please follow the syllabus & course schedule for each online exam.</p> <p>Make-up exams will NOT be given, so please make every effort to take the exams on their scheduled dates.</p> <p>Exams are to be taken without collusion, or collaboration with other persons, and or reference materials. Exam formula sheet will be embedded in the exam.</p> <p>Each non-cumulative exam is composed of 35-40 multiple choice questions and must be completed within 90-100 mins.</p> <p>A working computer and access to the internet is required for all exams. The software, Respondus Lockdown Browser, needs to be loaded on your computer to take exams. Your computer should also be equipped with web-cam. Please ensure that you have a Valid Photo ID (HCC Student ID card or Driver's License), have access to a camera ready computer loaded with the latest version of Respondus Lockdown Browser and accessible to the internet to take your exams.</p> <p>(Instructions on setting up the RespondusLockDown Browser with Webcam is given on Canvas). All Exams are open from Friday to midnight of Sunday. You are strongly advised to not wait until close to the deadline to take the exams or quizzes, in case you encounter any technical difficulties you won't have sufficient time to get help.</p> <p>Giving the large testing window, NO make-up exams will be given and you are allowed only one (1) attempt, so prepare and plan wisely to finish them on time.</p> <p><u>Failure to complete any exam or quiz for any reason other than a technical issue by the fault of the College will result in a grade of 0.</u> Be sure to secure a reliable internet source and a fully charged device battery before taking the exams. Should you encounter any interruption during your exam that is not the fault of the college, the system will automatically record your grade where you stop. There will be no make-up for incomplete exams. Please plan wisely before taking the online exams.</p> <p>Should you have a technical issue with Eagle Online, please contact the Eagle Online Technical Support (Information provided on Canvas). If there is a technical issue that is the fault of the college, e.g. Eagle Online Canvas system down; please take a screen shot of the error message and notify me immediately</p>
Final Exam	25%	Final Exam	<p><u>Final exam is mandatory for every student to take in this course</u>Final exam is comprehensive and is assigned on the dates highlighted on the course calendar.</p> <p>Final exam will also require the Respondus LDB + Webcam. Students that do not take the final exam without notifying the instructor before the exam or within 24 hours after the exam will receive a grade of Incomplete for the course.</p>
Extra Credit		Extra-credit	Extra-credit exercises will be assigned to the whole class periodically at the instructor's discretion.

Grading Formula

Grade	Range	Notes
A	90-100	
B	80-89	
C	70 to 79	
D	60 to 69	
F	<59	

* Instructor's Practices and Procedures

Incomplete Policy

In order to receive a grade of Incomplete ("I"), a student must have completed at least 85% of the work in the course. In all cases, the instructor reserves the right to decline a student's request to receive a grade of Incomplete.

Missed Assignments/Make-Up Policy

EXAMS: Make-up exams will NOT be given, so make every effort to take the exams on their scheduled dates. In the event that you must miss a regular exam, I will count the grade made on the final exam as the grade for the missed exam (for one missed exam only), and calculate the final course grade accordingly. I will also replace the lowest grade non-cumulative exam with the final exam score if the final exam score is higher. A grade received due to scholastic dishonesty can't be replaced. There is no retake exam for this course.

HOMEWORK AND DISCUSSION EXERCISES: There is no make-up for homework and discussion assignments unless it is due to an emergency medical reason which has to be supported with a valid medical note.

Academic Integrity

You are expected to be familiar with the University's Policy on Academic Honesty, found in the catalog. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. "Scholastic Dishonesty" includes, but is not limited to: cheating on a test, plagiarism and collusion. Possible punishment for academic dishonesty may include a grade of "0" or "F" on the particular assignment, failure in the course, and/or referral to the college Dean of Student Services or disciplinary action up to and including expulsion".

There is a *Zero tolerance* for any type of academic dishonesty. Please see the following link for further information: [Student Handbook](#)

All assignments and tests submitted to your instructor shall be performed solely by you. You will not submit work that is plagiarized or that otherwise violates copyright laws of the United States of America. If you have been found guilty of academic misconduct by your college of enrollment disciplinary action may result in banning you from the course and/or future enrollment at Houston Community College.

Actions contrary to academic integrity will NOT be tolerated. Activities that have the effect or intention of interfering with learning or fair evaluation of a student's work or performance are considered a breach of academic integrity.

Examples of such unacceptable activities include, but are not limited to:

- Cheating - intentionally using or attempting to use unauthorized material, assistance or study aids in any academic work
- Plagiarism - representing another's ideas, words, expressions or data in writing or presentation without giving proper credit, failing to cite a reference or failing to use proper documentation, using works of another gained over the Internet and submitted as one's own work
- Falsification and/or Misrepresentation of Data - submitting contrived or made-up information in any academic exercise
- Facilitating Academic Dishonesty - knowingly helping or attempting to help another violate any provision of the academic integrity policy
- Multiple Submission - submitting, without prior approval from the instructor, any work submitted to fulfill academic requirements in another class
- Unfair Advantage - trying to gain unauthorized advantage over fellow students

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>
(<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>)

Attendance Procedures

Students that show Active Participation in the course from the beginning of the semester by completing and submitting required activities and assignments will be marked present before the official date of record. Students that do not show Active Participation as described above will be marked absent and will be subsequently dropped from the course by the HCC system.

Student Conduct

In an online teaching environment, every student is expected to follow the code of conduct in the student's handbook. Any communication with the instructor that is seen as disrespectful, offensive or inappropriate will NOT be tolerated and will be promptly reported to the appropriate campus administrators for further actions.

Faculty Statement about Student Success

Chemistry 1311 is a course that is largely based on math, which requires conceptual understanding and application, and is not a subject that can be learned passively. Chemistry is full of word problems and therefore mastering chemistry depends heavily on the student's reading and math skills, persistence and strong determination.

Chemistry is best learned through constantly working problems. Follow the course outline, study the chapters/assignments daily is the key for success.

It is easy to fall behind in a course like CHEM 1311. Students easily fall behind if they fail to log in daily to CANVAS and do not keep up with daily study. The concepts build on each other, in other words, your mastery of the concepts and word problems from the first chapter is very crucial for the understanding of subsequent chapters. This course is more rigorous than high school chemistry and Introductory Chemistry and thus requires students putting more effort than what they did in their previous studies.

Usually it requires 20 or more hours a week to study and practice. Scores from exams speak for student preparation for the class and how thorough the student has studied for the tests. Remember that reading solutions is solely different from solving problems and doing practice exams yourself.

Faculty-Specific Information Regarding Canvas

This course section will use Canvas (<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)) to supplement in-class assignments, exams, and activities.

All of the course supporting materials (PowerPoints, Practice Exams and Lecture Videos) are uploaded on Canvas course modules.

- PowerPoints: vivid lecture presentation to help you in learning
- Practice Exams: through practice questions, find out the concepts you may be struggling with. Redo those questions as many times, as you can
- Lecture Videos: watching the live videos will greatly help you to understand concepts

This course will be taught online, but it is NOT a self-paced course. You must meet the established deadlines for completing the course works and exams. The flexibility of an online course allows you to choose the time of day or night to "enter" the virtual classroom. It is recommended that you log onto Canvas daily for messages, announcements, homework submissions, online discussions and exam submissions.

Please pay particular attentions to exam dates and times because there is no make-up!

A working computer with access to the internet is critical for this course. There may be some programs and or links which may not be viewable from a smartphone or tablet.

It is the student's responsibility to ensure that they have an internet accessible computer as well as the text for this course. It is recommended that you **USE FIREFOX OR CHROME AS YOUR BROWSER.**

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system

should be kept up to date with the latest recommended security updates and upgrades.

Social Justice Statement

Houston Community College is committed to furthering the cause of social justice in our community and beyond. HCC does not discriminate on the basis of race, color, religion, sex, gender identity and expression, national origin, age, disability, sexual orientation, or veteran status. I fully support that commitment and, as such, will work to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. In this course, we share in the creation and maintenance of a positive and safe learning environment. Part of this process includes acknowledging and embracing the differences among us in order to establish and reinforce that each one of us matters. I appreciate your suggestions about how to best maintain this environment of respect. If you experience any type of discrimination, please contact me and/or the Office of Institutional Equity at 713-718-8271.

Respondus Lockdown Browser

LockDown Browser + Webcam Requirement:

Instructions:

This course requires the use of LockDown Browser and a webcam for all the online exams. The webcam can be the type that's built into your computer or one that plugs in with a USB cable.

Watch this brief video to get a basic understanding of LockDown Browser and the webcam feature.

<https://www.respondus.com/products/lockdown-browser/student-movie.shtml>

Download Instructions

Download and install LockDown Browser from this link:

<https://download.respondus.com/lockdown/download.php?id=355612798>

Once Installed

- Start LockDown Browser
- Log in to Canvas
- Navigate to the quiz

Note: You won't be able to access a quiz that requires LockDown Browser with a standard web browser. If this is tried, an error message will indicate that the test requires the use of LockDown Browser. Simply start LockDown Browser and navigate back to the exam to continue.

****Guidelines**

When taking an online quiz, follow these guidelines:

- Ensure you're in a location where you won't be interrupted
- You will be required to show your picture I.D. at the beginning of the exam. You must show your school I.D. or driver's license
- Ensure you show your entire environment around your computer during the environment check
- Turn off all other devices (e.g. tablets, phones, second computers) and place them outside of your reach
- Before starting the test, know how much time is available for it, and also that you've allotted sufficient time to complete it
- Clear your desk or workspace of all external materials not permitted - books, papers, other devices
- Remain at your computer for the duration of the test
- If the computer, Wi-Fi, or location is different than what was used previously with the "Webcam Check" and "System & Network Check" in LockDown Browser, run the checks again prior to the exam
- To produce a good webcam video, do the following:
 - Avoid wearing baseball caps or hats with brims
 - Ensure your computer or device is on a firm surface (a desk or table). Do NOT have the computer on your lap, a bed, or other surface where the device (or you) are likely to move
 - If using a built-in webcam, avoid readjusting the tilt of the screen after the webcam setup is complete

- Take the exam in a well-lit room, but avoid backlighting (such as sitting with your back to a window)
- Remember that LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted

****Students that do not comply with these guidelines may have their results canceled.****

Getting Help

Several resources are available if you encounter problems with LockDown Browser:

- The Windows and Mac versions of LockDown Browser have a "Help Center" button located on the toolbar. Use the "System & Network Check" to troubleshoot issues. If an exam requires you to use a webcam, also run the "Webcam Check" from this area
- Respondus has a Knowledge Base available from support.respondus.com. Select the "Knowledge Base" link and then select "Respondus LockDown Browser" as the product
- If your problem is with a webcam, select "Respondus Monitor" as your product

Eagle Online Help Center and Canvas Help

<https://www.hccs.edu/online/technical-support/>

For telephone help:

HCC Online Telephone Support:

Eagle Online Technical Support - call 713.718.5275, option 3
 IT (password reset) Customer Support - call 713.718.8800, option 1

HCC Online Regular Support Hours:

- Monday - Friday, 8 a.m. - 11 p.m.
- Saturday 9 a.m. - 11 p.m.
- Sunday 1 - 9 p.m.

HCC Policies and Information

HCC Grading System

HCC uses the following standard grading system:

Grade	Grade Interpretation	Grade Points
A	Excellent (90-100)	4
B	Good (80-89)	3
C	Fair (70-79)	2
D	Passing (60-69), except in developmental courses.	1
F	Failing (59 and below)	0
FX	Failing due to non-attendance	0

Grade	Grade Interpretation	Grade Points
W	Withdrawn	0
I	Incomplete	0
AUD	Audit	0
IP	In Progress. Given only in certain developmental courses. A student must re-enroll to receive credit.	0
COM	Completed. Given in non-credit and continuing education courses.	0

Link to Policies in Catalog and Student Handbook

Here's the link to the HCC Catalog and Student Handbook: <https://catalog.hccs.edu/> (<https://catalog.hccs.edu/>)

In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning
- Veteran Services

Link to HCC Academic Integrity Statement

<https://www.hccs.edu/student-conduct> (<https://www.hccs.edu/student-conduct>) (scroll down to subsections)

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

<https://www.hccs.edu/campuscarry> (<https://www.hccs.edu/campuscarry>)

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go to [HCC Eagle ID \(https://www.hccs.edu/email\)](https://www.hccs.edu/email) and activate it now. You may also use Canvas Inbox to communicate.

Office of Institutional Equity

Use the following link to access the HCC Office of Institutional Equity, Inclusion, and Engagement: <https://www.hccs.edu/eoo> (<https://www.hccs.edu/eoo>)

Ability Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to <https://www.hccs.edu/accessibility> (<https://www.hccs.edu/accessibility>)

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross
Director EEO/Compliance
Office of Institutional Equity & Diversity
3100 Main
(713) 718-8271
Houston, TX 77266-7517 or Institutional.Equity@hccs.edu (<mailto:Institutional.Equity@hccs.edu>)

<https://www.hccs.edu/titleix> (<https://www.hccs.edu/titleix>)

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/> (<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/>)

Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as a guide.

Canvas Learning Management System

Canvas is HCC's Learning Management System (LMS), and can be accessed at the following URL:

<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

HCC Online Information and Policies

Here is the link to information about HCC Online classes, which includes access to the required Online Information Class Preview for all fully online classes: <https://www.hccs.edu/online/> (<https://www.hccs.edu/online/>)

Scoring Rubrics, Sample Assignments, etc.

Look in Canvas for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course. <https://eagleonline.hccs.edu/> (<https://eagleonline.hccs.edu/>)

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students during office hours, and before and after class as required

As a student, it is your responsibility to:

- Attend class in person and/or online
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](https://www.hccs.edu/studenthandbook) (<https://www.hccs.edu/studenthandbook>)

Sensitive or Mature Course Content

In this college-level course, we may occasionally discuss sensitive or mature content. All members of the classroom environment, from your instructor to your fellow students, are expected to handle potentially controversial subjects with respect and consideration for one another's varied experiences and values.

EGLS3

The EGLS³ ([Evaluation for Greater Learning Student Survey System](https://www.hccs.edu/egls3) (<https://www.hccs.edu/egls3>)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS³ surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<https://www.hccs.edu/egls3> (<https://www.hccs.edu/egls3>)

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Student Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services \(https://www.hccs.edu/tutoring\)](https://www.hccs.edu/tutoring) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at [https://library.hccs.edu \(https://library.hccs.edu/\)](https://library.hccs.edu).

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at [https://www.hccs.edu/supplemental-instruction \(https://www.hccs.edu/supplemental-instruction\)](https://www.hccs.edu/supplemental-instruction)

Resources for Students:

[https://www.hccs.edu/covid19students \(https://www.hccs.edu/covid19students\)](https://www.hccs.edu/covid19students)

Basic Needs Resources:

[https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/ \(https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/\)](https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/)

Student Basic Needs Application:

[https://www.hccs.edu/basicneeds \(https://www.hccs.edu/basicneeds\)](https://www.hccs.edu/basicneeds)

COVID-19

Here's the link to the HCC information about COVID-19:

[https://www.hccs.edu/covid-19 \(https://www.hccs.edu/covid-19\)](https://www.hccs.edu/covid-19)

Instructional Modalities

In-Person (P)

Safe, face-to-face course with scheduled dates and times

Online on a Schedule (WS)

Fully online course with virtual meetings at scheduled dates and times

Online Anytime (WW)

Traditional online course without scheduled meetings

Hybrid (H)

Course that meets safely 50% face-to-face and 50% virtually

Hybrid Lab (HL)

Lab class that meets safely 50% face-to-face and 50% virtually

Copyright Statement

In order to uphold the integrity of the academic environment and protect and foster a cohesive learning environment for all, HCC prohibits unauthorized use of course materials. Materials shared in this course are based on my professional knowledge and experience and are presented in an educational context for the students in the course. Authorized use of course materials is limited to personal study or educational uses. Material should not be shared, distributed, or sold outside the course without permission. Students are also explicitly forbidden in all circumstances from plagiarizing or appropriating course materials. This includes but is not limited to publically posting quizzes, essays, or other materials. This prohibition extends not only during this course, but after. Sharing of the materials in any context will be a violation of the HCC Student Code of Conduct and may subject the student to discipline, as well as any applicable civil or criminal liability. Consequences for unauthorized sharing, plagiarizing, or other methods of academic dishonesty may range from a 0 on the specified assignment and/or up to expulsion from Houston Community College. Questions about this policy may be directed to me or to the Manager of Student Conduct and Academic Integrity.

Course Calendar

WEEK	ONLINE COURSE SCHEDULE
2/14	Course Orientation/Syllabus/Download Respondus Lockdown Browser + Webcam Chapter 1
2/21	Chapter 2 <i>2/23 (Official Day of Record)</i>
2/28	Chapter 3 ONLINE EXAM 1 (Chapter 1-3) [3/4 - 3/6 (Fri-Sun)]
3/7	Chapter 4
3/14	Spring Break (3/14 - 3/20)
3/21	Chapter 5 (Softcover Book) Chapter 10 (Hardcover Book) Chapter 6 (Softcover Book) Chapter 5 (Hardcover Book)
3/28	Chapter 7 (Softcover Book) Chapter 6 (Hardcover Book) ONLINE EXAM 2 (Chapters 4-6 softcover book) (Chapters 4, 10 & 5 hardcover book) [4/1 - 4/3 (Fri – Sun)]

4/4	Chapter 8 (Softcover Book) Chapter 7 (Hardcover Book)
4/11	Chapter 9 (Softcover Book) Chapter 8 (Hardcover Book) 4/12 - Last day to withdraw.
4/18	Chapter 10 (Softcover Book) Chapter 9 (Hardcover Book) ONLINE Exam 3 (Chapters 7-10 softcover book)(Chapters 6, 7, 8, 9 hardcover book) [4/22 - 4/24 (Fri- Sun)]
4/25	Chapter 11
5/2	Final Exam Review
5/9	Final Examination (Comprehensive-Chapters 1-11) {5/10 - 5/11}

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Additional Information

Departmental/Program Information

Please visit the chemistry program page for more about our degree offering, requirements, employment prospects and more.

<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/chemistry/>
(<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/chemistry/>)

Process for Expressing Concerns about the Course

If you have concerns about any aspect of this course, please reach out to your instructor for assistance first. If your instructor is not able to assist you, then you may wish to contact the Department Chair.

Dr. Grace Zoorob, hcc.chemistry@hccs.edu; 713-718-5776