



General Chem Lab I-22148

CHEM-1111

RT 2022 Section 108 1 Credits 08/23/2021 to 12/12/2021 Modified 08/21/2021

Course Meetings

Course Modality

Online Anytime

Meeting Days

Online Anytime

Meeting Times

Online Anytime

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

General Chemistry 1 Laboratory (CHEM 1111) is a Laboratory course related to the study of atomic structure, chemical reactions, thermodynamics, electronic configuration, chemical bonding, molecular structure, gases, states of matter, and properties of solutions. CHEM 1111 is a Core Curriculum Course. This course is intended to reinforce the concepts learned in General Chemistry 1 class through scientific investigations in the Chemistry Lab. Students will be able to develop modern chemistry lab techniques, develop scientific reasoning and intellectual abilities, apply data interpretation and analysis and develop teamwork skills.

My Personal Welcome

Welcome to General Chemistry 1 Laboratory— I'm delighted that you have chosen this course. One of my passions in this laboratory course is when students develop a perspective of chemistry as a scientific process of discovery. 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. The best way to really discuss issues is in person and I'm available during posted office hours to tackle any questions you might have. My goal is for you to walk out of this course with a better understanding of how you can use chemistry concepts and chemical principles in real-life. So please visit me or contact me whenever you have a question.

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 HCC Email address or CANVAS Inbox 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

Course Overview

Course Description

CHEM 1111 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.

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 lecture, CHEM 1311 with CHEM 1111. 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/>

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 laboratory exercises by reading labs prior to class, completing pre-lab activities, and writing results in lab reports, providing an understanding of chemical concepts observed in the lab.
- **Speaking/Listening:** Students will learn to communicate significant lab findings with their peers as well as the instructor by asking (speaking) and answering (listening) questions throughout the experiment.
- **Critical Thinking:** Students will demonstrate a deeper understanding of chemical concepts by completing labs, collecting data and analyzing results, and drawing conclusions. 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 prepare for and complete lab reports.

Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs)

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

Course Student Learning Outcomes (CSLOs)

SLO1. Learn Proper Safety Practice and Measures in the chemistry laboratory.

SLO2. Practice Basic Lab Techniques of Measurement and Conversion

SLO3: Perform separation of mixtures using proper technique

SLO4: Identify physical properties

SLO5: Observe various chemical reactions and write supporting chemical equations

SLO6: Calculate empirical and molecular formulas and reaction yield

SLO 7: Apply thermochemical principles to evaluate energy relationships based on specific heat, calorimetry, and temperature changes.

SLO 8. 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.

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SLO 7: Apply thermochemical principles to evaluate energy relationships based on specific heat, calorimetry, and temperature changes.

SLO 8. 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 9. 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.

Learning Objectives for each CSLO can be found at [Learning Objectives for CHEM 1111](#).

Departmental Practices and Procedures

A comprehensive lab exam is required at the of this course.

Department Specific Instructor and Student Responsibilities

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

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. Check with your instructor before purchasing textbooks because the book might be included in your course fees.

1. Lab Manual

Laboratory Experiments for Chemistry: The Central Science. Custom Edition for HCC CHEM 1111 ISBN-13-978-0-136-68805-1

Available at [HCC Bookstore](#)

OR you can purchase electronic version from the publisher's website:

http://www.pearsoncustom.com/tx/hcc_chem1111/ (http://www.pearsoncustom.com/tx/hcc_chem1111/)

2. A Nonprogrammable basic model scientific calculator like TI -30X.

3. Computer with webcam and reliable Wi Fi (Chromebook does not work)

Temporary Free Access to E-Book

N/A

Other Instructional Resources

Information below

✓ Course Requirements

Assignments, Exams, and Activities

Assigned lab reports including report form, Pre and Post Laboratory = 80% of total course grade.

Final Exam = 20%

Total = 100 %

Type	Weight	Topic	Notes
Written Assignment	80	Lab Reports	<p>A total of 10 experiments will be assigned. The lowest grade lab will be dropped. All the lab experiments must be completed to have a lowest grade lab dropped. Students are required to follow all the stepwise instruction provided on CANVAS for submission of all the selected experiments upon watching the live videos of the experiments.</p> <p>The Report Form, pre-lab and post lab should all be completed and submitted on CANVAS as stated in the submission instruction. Each experiment must be submitted by the due date stated on CANVAS to receive full-credit. Assigned discussion exercises will serve as extra-credit points.</p> <p>Late work <u>will not</u> be accepted. Each lab is worth 100 points.</p> <p>Pre-lab, post-lab and Report Form are graded based on neatness, proper significant digits in measurements, reasonableness, or accuracy. General principles, problems, fundamental laws, and theories are discussed in Introduction/Theory section of each experiment. Course content provides a foundation for work in advanced chemistry and related sciences.</p>
Final Exam	20	Final Exam	<p>The final exam will be based on the Labs covered. All quizzes and exams in this course will require the use of Respondus Lockdown browser+webcam.</p> <p>Please refer to Canvas for instructions on how to use Lockdown browser + webcam.</p>
Extra Credit			Discussion extra-credit assignment will be assigned appropriately.

Grading Formula

Assigned lab reports including report form, Pre and Post Laboratory = 80%

Final Exam = 20%

Total = 100 %

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

All labs must be submitted by the due dates on Canvas to be graded. Make-up will not be allowed unless the excuse is due to a medical reason with valid documentation.

Academic Integrity

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
- 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
- Falsification and/or Misrepresentation of Data - submitting contrived or made- up information in any academic
- Facilitating Academic Dishonesty - knowingly helping or attempting to help another violate any provision of the academic integrity
- Multiple Submission - submitting, without prior approval from the instructor, any work submitted to fulfill academic requirements in another
- Unfair Advantage - trying to gain unauthorized advantage over fellow

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 must submit the weekly assignment by the due date to be counted in the class at the beginning of the semester.

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.

Instructor's Course-Specific Information

CHEM 1111 requires conceptual understanding and application, the experiments in this course are designed to reinforce the concepts learned in CHEM 1311. If you do not have pre-requisite CHEM1311 or take CHEM1311 as co-requisite, you are taking this class at your own risk or subject to mandatory withdrawal.

Mastering chemistry depends heavily on a person's reading and math skills and of course the person's determination/dedication and time spent in effective study. Plan to brush up your math skill if you feel rusty and dedicate about 6 hours a week for this course. Use time management tool/skill to help your study.

Faculty Statement about 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 and lab manual
- Completing all assigned laboratory assignments

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.

Faculty-Specific Information Regarding Canvas

This course section will use Canvas (<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)) for all aspects of the course.

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.

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 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

HCC Online publishes the [Eagle Online \(Canvas\) Technical Requirements for HCC Students](#).

You can find the answers to many of your questions about how to use Canvas by clicking the **Help** link in the bottom left corner of the Canvas window and then clicking **Search the Canvas Guides**.

If you have technical issues with Canvas, click the **Help** link and then click **HCC Online Help**.

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.

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
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 Student Handbook](#)

Here's the link to the HCC Student Handbook <https://www.hccs.edu/resources-for/current-students/student-handbook/> (<https://www.hccs.edu/resources-for/current-students/student-handbook/>) 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/resources-for/faculty/student-conduct-resources-for-faculty/> (<https://www.hccs.edu/resources-for/faculty/student-conduct-resources-for-faculty/>)

Campus Carry Link

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

<https://www.hccs.edu/departments/police/campus-carry/> (<https://www.hccs.edu/departments/police/campus-carry/>)

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 \(https://www.hccs.edu/resources-for/current-students/student-e-maileagle-id/\)](https://www.hccs.edu/resources-for/current-students/student-e-maileagle-id/) and activate it now. You may also use Canvas Inbox to communicate.

Office of Institutional Equity

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement (<https://www.hccs.edu/departments/institutional-equity/> (<https://www.hccs.edu/departments/institutional-equity/>))

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/support-services/ability-services/> (<https://www.hccs.edu/support-services/ability-services/>)

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>)

<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/> (<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>)

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

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/resources-for/current-students/student-handbook/) (<https://www.hccs.edu/resources-for/current-students/student-handbook/>)

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/resources-for/current-students/egls3-evaluate-your-professors/) (<https://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>)) 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/resources-for/current-students/egls3-evaluate-your-professors/> (<https://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>)

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/resources-for/current-students/tutoring/) (<https://www.hccs.edu/resources-for/current-students/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>).

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/resources-for/current-students/supplemental-instruction/> (<https://www.hccs.edu/resources-for/current-students/supplemental-instruction/>).

Resources for Students:

<https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/>
(<https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/>)

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://hccs.co1.qualtrics.com/jfe/form/SV_25WyNx7NwMRz1FH
(https://hccs.co1.qualtrics.com/jfe/form/SV_25WyNx7NwMRz1FH)

COVID-19

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

<https://www.hccs.edu/resources-for/current-students/communicable-diseases/> (<https://www.hccs.edu/resources-for/current-students/communicable-diseases/>)

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

Course Calendar

WEEK	ASSIGNED EXPERIMENTS
8/23	Introduction/Procure Lab manual
8/30	Lab Safety (Safety quiz)
9/7	Basic Laboratory Techniques
9/13	Separation of the components of a mixture
9/20	Chemical Formulas
9/27	Moles and Chemical Formulas
10/4	Activity series
10/11	Reactions in Aqueous Solutions: Metathesis reactions and net ionic reactions
10/18	Behavior of Gases: Molar mass of a vapor
10/25	
11/1	Heat of Neutralization
11/8	
11/15	Molecular Geometries of Covalent Molecules
11/22	Thanksgiving Break (11/25-11/28)
11/29	Final Exam review
12/6	Final exam – Covers all the assigned laboratory in the semester. 12/7- 12/8

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/>

[\(https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/chemistry/\)](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. Emmanuel Ewane, emmanuel.ewane@hccs.edu; 713-718-5414