



College Physics II-21405

PHYS-1402

RT 2022 Section 03 4 Credits 08/23/2021 to 12/12/2021 Modified 08/18/2021

Course Meetings

Course Modality

In-Person (P)

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

Due to the on-going pandemic, until Sept. 20th, we will not be meeting in-person but online via Webex at the normal scheduled class times.

Meeting Days

Tuesdays and Thursdays

Meeting Times

2:00 - 4:50 pm

Meeting Location

Eastside Campus, FM Room 208

Until Sept. 20th, online via Webex

Welcome and Instructor Information

Dr. Aaron Marks

Email: aaron.marks@hccs.edu

Office: AM 101

Phone: 713-718-5657

What's Exciting About This Course

Physics is the study of the entire universe and everything in it, from the smallest subatomic particles to enormous objects such as planets, stars and even entire galaxies. Physics is how we describe the motion of objects, topics such as electricity, magnetism and light and study energy in its various forms (for example, mechanical or thermal). It is amazing that the universe works in a way that we, as curious human beings, can describe, explain and even predict how phenomena occur in the world around us. Certainly, this sounds exciting to me and hopefully to you as well!

My Personal Welcome

Welcome to College Physics II—I'm delighted that you have chosen this course! One of my passions is to know as much as I can about the universe around me, and I can hardly wait to pass that knowledge on. I will present these physical principles 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. This class is as much an exercise in critical thinking and problem solving as it is in any particular theory or principle. The best way to improve your problem solving skills is to work as many problems as you can. My goal is for you to walk out of the course with a better understanding of yourself and the universe around you. So please contact me whenever you have a question.

Preferred Method of Contact

You may reach me via email (preferably) or phone. **Please use your student HCCS.edu email or Canvas inbox for all course communication.** I will only send correspondence to your student account so please check it regularly as you are responsible for content of messages. Students may access email via Canvas or student sign-ins. Please allow sufficient time for a response. I will respond to emails within 24 hours Monday through Friday; I will reply to weekend messages at some time before or on Monday morning.

Office Hours

Wednesday, Thursday, 1:00 PM to 2:00 PM, AM 101

or by appointment virtually via Webex

Course Overview

Course Description

Credits: 4 (3 lecture, 3 lab). Continuation of non-Calculus based physics for medical related majors, architecture majors, technology majors and other non-engineering and non-science majors. Topics include wave motion, electricity, magnetism, electromagnetic waves, optics, and topics in modern physics. Laboratory exercises include selected related experiments on these topics. This course satisfies the Life and Physical Sciences or Component Area Option of the HCC core.

Requisites

Prerequisite: PHYS 1401; must also be placed into GUST 0341 (or higher) in reading.

Department Website

Department of Physics

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

Core Curriculum Objectives (CCOs)

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PHYS 1402 satisfies the physical science requirement in the HCCS core curriculum. The HCCS Physics Discipline Committee has specified that the course address the following core objectives:

- **Critical Thinking:** Students will demonstrate the ability to engage in inquiry and analysis, evaluation and synthesis of information, and creative thinking by demonstrating problem solving skills on homework and exams.
- **Communication Skills:** Students will demonstrate effective development, interpretation and expression of ideas through written, and visual communication.
- **Quantitative and Empirical Literacy:** Students will demonstrate the ability to draw conclusions based on the systematic analysis of topics using observation, experiment, and/or numerical skills by completing textbook reading assignments, completing assignments, and answering questions on quizzes and/or exams.

Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs)

1. To provide the student a basic and practical understanding of physics (basic qualitative and quantitative concepts, and systematic problem-solving strategies) and recognize its relevance in our daily lives.
2. To prepare students to meet with success in higher level Physics and other science courses when they transfer to four-year universities.
3. To prepare students for professional programs requiring a mastery of General Physics, such as Physics, Chemistry, Mathematics and engineering.

Course Student Learning Outcomes (CSLOs)

Upon completion of PHYS 1402, the student will be able to:

1. Distinguish between particles and waves and demonstrate understanding of wave phenomena.
2. Analyze the basic relationships between stationary and moving charged particles and the electric fields and magnetic fields that originate from their interactions.
3. Demonstrate an understanding of how varying electric fields can give rise to varying magnetic fields and vice versa.
4. Develop an understanding of how the combined effects of electric and magnetic fields are used in practical applications, such as in electric motors and generators.
5. Exhibit an understanding of optical phenomena, such as reflection, refraction, polarization, interference, and diffraction and how these are used in the design of optical devices.
6. Develop competency in the set up and operation of experiments, as well as the ability to interpret and draw valid conclusions based on the experimental data.

Learning Objectives

Upon successful completion of this course, students should be able to:

- 1.1 Solve simple problems involving travelling waves.
- 1.2 Calculate frequency, period, angular wave number and speed of a wave given appropriate parameters.
- 1.3 Determine the speed of sound in various media, given elastic and inertial properties of the media.
- 2.1 State Coulomb's Law and use it to analyze the interaction between charged particles.
- 2.2 Define electric field and calculate field due to point charges.
- 2.3 Relate electric potential to electric potential energy and compute potential energy of configuration of a group of point charges.
- 2.4 Solve simple circuit problems using Ohm's law and/or Kirchhoff's rules.
- 2.5 Analyze the behavior of charged particles; current element; and current loops in a magnetic field.
- 2.6 Use Ampere's law in the analysis of magnetic fields due to current elements.
- 3.1 Define Faraday's law and apply it to the analysis of induced electromotive force and current.
- 3.2 Define magnetic flux and self-inductance.
- 3.3 Relate magnetic energy to magnetic field.
- 4.1 State the four Maxwell's equation.
- 4.2 Explain the relationship between time varying electric fields and magnetic fields.
- 4.3 Understand the electromagnetic wave spectrum and identify the wavelength of visible light on such a spectrum.
- 5.5 Use the laws of reflection and refraction in the analysis of images formed by mirrors and lenses.
- 6.1 Improve effective written and oral communication skills through presentation of laboratory reports and participation in class discussions.

Departmental Practices and Procedures

Department Specific Instructor and Student Responsibilities

As an instructor, it is your 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 before and after class as required.

As a student, it is your responsibility to:

- Attend class in person
- 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](#)

Program-Specific Student Success Information

Add Content Here

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. Please check with me before purchasing textbooks because multiple books are used in this department for any course or the book might be included in your course fees.

The textbook listed below is *required* for this course.

Physics (Volume 2)

Author: James S. Walker

Publisher: Pearson Publishing

Edition: 5th

ISBN: ISBN 978-134-03125-8

Availability: ebook, bookstore (access code not required)

Other Instructional Resources

Courseware

No other courseware is required for this course.

Course Requirements

Assignments, Exams, and Activities

Type	Weight	Topic	Notes
Homework Assignments	20%		<p>Problems are assigned from the text after every chapter is covered. Students are strongly advised to attempt all these selected problems and other problems from the text. In general, students who fail to do these assigned problems will not do well in the course.</p> <p>Homework is to be submitted online via Canvas. Each homework assignment will open up for online submission a few days before it is due. Please take scans or pictures of your work and submit it to Canvas. Homework submissions must be in a readable file format (such as a pdf or jpeg file) to get credit. In particular, heic files will not be accepted. Email submissions will not be accepted! Late homework is accepted for half credit (until the date of the final class session).</p> <p>Homework can be done collaboratively but every student is responsible for submitting their own solutions. All work necessary in obtaining a solution should be shown to receive full credit.</p>
Lab Reports	15%		<p>After each lab session a lab assignment will be due that is submitted in Canvas. Every student will be responsible for submitting the work required for each lab activity, group reports will not be used. Lab report submissions must be in a readable file format (such as a pdf or jpeg file) to get credit. Email submissions will not be accepted! Lab activities will only be open for a limited time window in Canvas and reports must be submitted before the associated lab is closed. Late lab reports are not accepted!</p> <p>Lab time will be used for setting up equipment, taking data, calculating results and disassembling equipment. Other activities include coordination with partners, assisting in calculations, data analysis, cleanup of lab area, etc. Students observed goofing off will be penalized.</p>
Exams	2 at 20% each, for 40% total		<p>The purpose of the exam is to test knowledge of the principles and theories presented during class. Exam problems will be similar (<i>not the same!</i>) as worked examples or problems from the homework. Exam grades may be curved, if needed. No exam grade is ever dropped!</p> <p>The exact format of Exams is yet to be determined.</p> <p>There are no make-up exams, therefore, make every effort to take exams on their scheduled date. If an exam is missed, a zero will be recorded for that exam grade!! In extremely rare circumstances, if a valid excuse has been approved (by the instructor), the corresponding section on the final exam will count as both parts of your final exam grade as well as the missed exam grade.</p>
Final Exam	25%		<p>All students will be required to take a comprehensive final exam. Students who are absent from the final exam will receive a failing course grade. The time and date of the final exam is listed on HCC's website at https://www.hccs.edu/student-experience/events-calendar/. The final exam will only be administered during the time and date given by HCC's Final Exam Schedule.</p>
Extra Credit			<u>Extra Credit is not given for any reason!</u>

Grading Formula

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

* Instructor's Practices and Procedures

Incomplete Policy

It is the policy of the Department of Natural Sciences not to assign a grade of Incomplete (I) except in the rarest of circumstances (such as completing all coursework in a satisfactory manner but missing the final exam due to an unavoidable event).

Missed Assignments/Make-Up Policy

Homework assignments are to be turned in by the due date given in Canvas to be counted for full credit. Late homework is accepted for half credit (until the date of the final class session before the final exam).

Late lab reports are not accepted for any reason!

There are no make-up exams, therefore, make every effort to take exams on their scheduled date. **If an exam is missed, a zero will be recorded for that exam grade!!** In extremely rare circumstances, if a valid excuse has been approved (by the instructor), the corresponding section on the final exam will count as both parts of your final exam grade as well as the missed exam grade.

Academic Integrity

You are expected to be familiar with the College's Policy on Academic Honesty, found in the catalog. What that means is: If you are charged with an offense, pleading ignorance of the rules will not help you. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements.

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

HCC's Attendance Policy is stated in Students Handbook as follows: *"You are expected to attend all lecture classes and labs regularly. You are also responsible for materials covered during your absences. Instructors may be willing to consult with you for make-up assignments, but it is your responsibility to contact the instructor. Class attendance is checked daily. Although it is your responsibility to drop a course for nonattendance, the instructor has the authority to drop you for excessive absences. You may be dropped from a course after accumulating absences in excess of 12.5 percent of the total hours of instruction (lecture and lab). For example:*

- *For a three credit-hour lecture class meeting three hours per week (48 hours of instruction), you can be dropped after six hours of absence.*
- *For a four credit-hour lecture/lab course meeting six hours per week (96 hours of instruction), you can be dropped after 12 hours of absence."*

If circumstances significantly prevent you from attending classes, please inform the instructor.

Student Conduct

Students are expected to maintain cordial and professional conduct as would be expected of an academic environment and as laid out in the Student Handbook. Please be considerate in your correspondence with the instructor and/or any classmates as well as in any in-person interaction.

Every student as well as the professor has the right to work in a healthy learning environment based on mutual respect and adherence to rules. Conduct unbecoming of such an environment will not be tolerated.

Please refer to the Student Handbook concerning grievances, complaints, discipline (including student conduct), and scholastic dishonesty and student rights. Please contact me if you require any reasonable accommodation to achieve your academic responsibilities.

Instructor's Course-Specific Information

[Messages/Emails:](#)

Students can expect a response from me within 24 hours, except on weekends or holidays.

Grades:

Students can expect grades for any on-time assignment to be posted within a week after the due date.

Course Changes

If there are any changes to the class schedule or location, I will notify the class by email as well as by an announcement within Canvas, as soon as practical after I learn of the required change. For cancellation of classes, check the HCC website.

Devices

The use of electronic devices (cell phones, laptops, etc.) by students in the classroom is up to the discretion of the instructor. Any use of such devices for purposes other than student learning is strictly prohibited. If an instructor perceives such use as disruptive and/or inappropriate, the instructor has the right to terminate such use. If the behavior continues, the student may be subject to disciplinary action to include removal from the classroom.

If students choose to use laptops or tablets (or other electronic devices with wifi, cellular or communication capabilities including cell phones and watches), they should be for classroom related purposes only and during times permitted.

For in class exams, all electronic devices other than a calculator are forbidden.

Cell phones (and other internet capable devices) are not calculators and will not be permitted to be used as a calculator during exams.

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:

- Logging in to the Canvas site and checking your HCC email daily
- Understanding the course material, either by reviewing the textbook or online materials in Canvas
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires studying the material and solving problems.

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.

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.

Instructional Modalities

The Instructional Modality of this course is:

In-Person (P)

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

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

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.

Course Calendar coming soon!

Additional Information

Departmental/Program Information

Add Content Here

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.