



Oceanography-15664

GEOL-1345

SS 2022 Section 02 3 Credits 02/14/2022 to 05/15/2022 Modified 02/13/2022

Course Meetings

Course Modality

Online asynchronous (WW)

Meeting Days/Times/Location

Not applicable

Welcome and Instructor Information

Geology Program Coordinator: Ms Karen B. Yip

Email: Karen.Yip@hccs.edu

Phone: 713-718-6781

Website: <https://learning.hccs.edu/faculty/karen.yip> (<https://learning.hccs.edu/faculty/karen.yip>)

What's Exciting About This Course

What's awesome about Oceanography? What isn't awesome about oceanography?!? Earth's oceans are where rock, air, water, and biology meet and interact. Life started in the ocean. Most of Earth's oxygen is created in the ocean. The oceans play a major role in Earth's climate. The oceans are still a frontier waiting to be fully explored! We send probes and satellites and landers out into space and onto celestial bodies, but the maps of the ocean floor are still very blurry compared to maps of Mars surface. Come learn about this branch of Earth Science and the major part of the hydrosphere.

My Personal Welcome

Welcome to Oceanography! – I'm delighted that you have chosen this course. One of my passions is to know as much as I can about Earth, its materials, the processes that change it, and the history of the planet. I can hardly wait to pass that on. Growing up at the foot of the mountains of Southern California I couldn't help but wonder about the landscape around me and the earthquakes that shook once in a while.

My goal is for you to complete the semester with a better understanding of the vast oceans and even greater sense of wonder about our planet. So please contact me whenever you have a question.

Preferred Method of Contact

Communication with students is high on my priority list. I will respond to emails within 24 hours Monday through Friday. Sometimes I will reply nearly immediately, other times it may be closer to the 24hrs. Email responses on the weekend will be less regular. Sometimes my academic flexibility means I leave campus early to do "mom" responsibilities and then end up corresponding and working on class items at night. I respect that you, too, have unique schedules. My communication at odd hours does not indicate I expect you to work at odd hours.

Most of your contact with me will be via EagleOnline's "inbox" feature. This is the internal email tool for EagleOnline. I do received notifications of those messages to my regular email account. Yes, you can also send e-mails to my campus e-mail account. For the sake of your information security I won't reply to e-mails that are not from your ____@student.hccs.edu address.

Yes, you can call my office phone number even if we are all online - please leave a voice-message. I will receive the voice messages via email so I can listen to them nearly anywhere.

I invite you to office hours which are better called "student hours. These will be conducted via WebEx. Simply click on the time you wish to set a meeting within the Office Hour section of our class EagleOnline page. That's it, just click the time and the system automatically sets up a meeting for the 2 of us.

The Department of Natural Science can be contacted via phone 713-718-6050 or email natural.sciences@hccs.edu

Office Hours

Most of the week!

Monday, Tuesday, Wednesday, Thursday, 9:30 AM to 10:45 AM, WebEx

Set up a meeting with me in the Cisco WebEx tool... the Office Hours tab.... then select a date and time that works for you and click "book". ta da! the system will automatically set up a WebEx meeting just for us. Check your HCC student email for the meeting invite/link.

Course Overview

GEOL 1345 is an introduction to the world's oceans, emphasizing the geological, physical, chemical, and ecological aspects of the marine environment.

Requisites

GEOL 1345 requires college-level reading and writing skills. The minimum requirements for enrollment in GEOL 1345 is qualifying to enroll in INRW 0420 or ESOL 0370/0360 and qualify to place into MATH 0314. Please carefully read and consider the repeater policy in the [HCCS Student Handbook](#).

HCC Program Website

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

Core Curriculum Objectives (CCOs)

GEOL 1345 satisfies the Life and Physical Science requirement in the HCCS core curriculum. The HCC Geology Program 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. Open ended questions are included in most quizzes and exams where explanation of processes or problems is required. Students will connect current events to what they are learning in the course. News Response assignments invite students to make broader connections between course curriculum and current events/problems.
- **Communication Skills.** Students will demonstrate effective development, interpretation and expression of ideas through written, oral, and visual communication. Students will submit written or video responses to weekly discussion questions/prompts.
- **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. Notably, students will use graphs and charts in assessments during the semester.
- **Teamwork.** to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal by working together with other classmates on assignments or a project during the semester. Teamwork at a small scale will be part of break-out discussions during class and with Climate of Change units later in the semester.

Student Learning Outcomes and Objectives

Geology Program Student Learning Outcomes (PSLOs)

Can be found at: <https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/geology/>

Course Student Learning Outcomes (CSLOs)

Upon completion of GEOL 1345, the student will be able to:

1. Understand the origin and distribution of ocean sediments
2. Relate the ocean system to the larger Plate Tectonic model and other dynamic Earth systems.
3. Understand properties of seawater
4. Relate ocean conditions to Earth's climate system.

Learning Objectives

- 1.1. Summarize the distribution of lithogenous and biogenous sediments on the ocean floor.
- 1.2. Explain how marine sediments reach the ocean floor.
- 1.3. Visualize changes in sediment thickness and composition from the mid-ocean ridges to continental margins.
- 2.1. Describe the four major components of the Earth system.
- 2.2. Explain the differences between ocean crust and continental crust.
- 2.3. Summarize the characteristics of major plate tectonic boundaries.
- 2.4. Explain how ocean basins form.
- 3.1. Calculate the density of seawater from temperature-salinity/density diagrams.
- 3.2. Interpret isothermal and isohaline maps of the global ocean.
- 3.3. Use Argo Float data to relate changes in seawater temperature and salinity with depth.
- 4.1. Compare and contrast neutral conditions in the tropical Pacific Ocean to El Nino and La Nina conditions.
- 4.2. Analyze observational buoy data in the tropical Pacific.

Departmental Practices and Procedures

Department Specific Instructor and Student Responsibilities

Via this syllabus and the course management system instructors in the Geology Program should

- Provide a clear grading scale
- Communicate expectations and assignment instructions clearly.
- Establish a safe, welcoming, equitable environment for learning
- Encourage students to engage with geoscience topics beyond the textbook
- Announce available supplemental material and learning tools available to students.
- Communicate with students when they are concerned about achievement, completion, or behavior in class.

Program-Specific Student Success Information

In GEOL 1345 you have access to many supplemental materials that accompany the eTextbook in the Pearson Mastering system. There are animations, short tutorial videos, example questions, and more in the "Study Area" of Mastering.

Please see the information about HCC tutoring opportunities listed under **Student Resources** section in the **HCC Policies and Information** heading of the syllabus. (below)

Instructional Materials and Resources

Instructional Materials

The [HCC Online Bookstore \(https://hccs.bnccollege.com/shop/hccs-central/page/find-textbooks\)](https://hccs.bnccollege.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.

Add Instructional Materials Here

Essentials of Oceanography

Author: Thurman and Trujillo

Publisher: Pearson

Edition: 13th

Availability: First Day Access

Your instructor will communicate how to access the eText and Mastering system.

Other Instructional Resources

A computer with internet access. A webcam or smartphone or camera to record a few video responses for assignments.

Students will find it useful and helpful and pertinent to have a notebook or notepad dedicated to this course. You may find it helpful to have a few colored pencils or multicolored pens to use in note-taking and on assignments.

Some students have adopted typing notes. That is fine but, I strongly encourage hand-written notes for any class you take. We will be making sketches and diagrams to help understand Earth and Ocean processes, it is far better to take these notes on paper rather than typing.

It will be necessary to scan worksheets or drawings to submit occasionally, there are instructions in EagleOnline for how to do this with free applications. Occasionally you will be asked to submit video answers to discussion – these can be made with computer webcam or with phone cameras.

Respondus Lockdown Browser is required for quizzes and exams. This software information is available in the START HERE module.

We will refer to many websites for data or interactive tools, some assignments will require listening to podcasts, or looking for news and current events.

Through the semester I will post suggested supplemental information or resources on our class EagleOnline page. It is highly recommended that you read/watch/browse those materials.

✓ Course Requirements

Assignments, Exams, and Activities

Type	Weight	Topic	Notes
Dynamic Study Modules	10%	each chapter	These are <i>Mastering</i> assignments tied to chapters. Interactive reading comprehension assignments. Generally the deadline is prior to the class period during which the topic will be discussed.
Ocean News Reports	6%	Current Events	Three current event responses will be submitted online via a Discussion Forum style tool and will be graded via the guidelines published in the assignment description. One Ocean News Report will be given as a recorded presentation. In these assignments students use critical thinking to make comparison of what is happening in the world to what topics are in the curriculum.

Type	Weight	Topic	Notes
Quizzes	13%	~1 per chapter	<p>Nearly every week there will be one or sometimes two quizzes. The quizzes will be administered on EagleOnline. Quizzes will have specific deadlines and time limits. Please watch for quiz open/close dates. Question style will include multiple-choice, short fill-in, and multi-sentence long-answer. The questions will focus on chapter content as well as additional material included in the weekly modules. The quizzes will be available for 3–5 days. <i>Once the deadline has passed you will not be able to take the quiz</i> Most quizzes will allow more than one attempt, though you won't see the same questions for the multiple attempts. The highest score of your attempts will be the one recorded. I encourage taking the 2 attempts to always improve your score! You can review your quizzes after completing them to use as study material.</p> <p>Quizzes will use the Respondus Lockdown Browser. All students will need to download Respondus Lockdown Browser as instructed in EagleOnline.</p>
Exercises	5%		A series of Exercises will be assigned during the semester. We will take class time to work on them but they will be submitted in Eagle Online. These worksheets will elaborate on concepts presented in the chapter and during lecture. These are a good chance to work with data and quantitative information related to the ocean.
Climate of Change units + miscellaneous assignments	8%	Climate Change and miscellaneous	<p>Near the end of the semester we will spend some class periods exploring climate change and climate data. This project will include homework reading assignments, group work, in-class discussion and some data analysis</p> <p>Additionally, there are a few one-off assignments in Mastering or related to specific videos. These scores are grouped together</p>
Question of the Week and Interactive Activities	7%		<p>Question of the Week (QW) are brief discussion board posts related to the week's topic. Many weeks a student will be selected to share their response.</p> <p>During class there will be interactive polls, shared maps, discussions. Participation in those is accounted for here.</p>
Exam #1	12%	chapters 1 - 5	The exams will consist of a variety of question types including multiple choice, fill-in, short answer, reading graphs/tables/charts, and image labeling and sketching. Questions of different types have different point values. Exams will be administered on EagleOnline. The exam will be available for 24 hours.
Exam #2	15%	Chapters 6 - 11	The exams will consist of a variety of question types including multiple choice, fill-in, short answer, reading graphs/tables/charts, and image labeling and sketching. Questions of different types have different point values. Exams will be administered on EagleOnline. The exam will be available for 24 hours
Final Exam	18%	cumulative of course curriculum	The final Exam will wrap-up the semester material during finals week. The Final Exam will be of similar format to the 2 mid-term exams. The exam will be cumulative, covering all the content of the semester including InTeGrate modules or outside-the-book topics presented during the semester. The final exam will be available May 10 - 11.
Extra Credit		miscellaneous	There will be a few extra credit opportunities during the semester. These are good opportunities to add more points to your total score. Opportunities change from semester to semester. Some of the opportunities involve watching live-streaming ocean exploration and collecting screenshots. Sometimes there are special events to attend, movies to watch, webinars, or museum exhibits to view. Please find these opportunities in the Extra Credit module. Bonus quizzes will be available near the end of the semester to boost the Quiz score category and prepare for the Final Exam.

Grading Formula

Grade	Range	Notes
A	89.5 – 100%	
B	79.5 – 89.4%	

Grade	Range	Notes
C	69.5 – 79.4%	
D	59.5 – 69.4%	
F	< 59.5%	

* Instructor's Practices and Procedures

Incomplete Policy

The Incomplete grade "I" is filled in for a student who is in good class standing but may be missing a couple assignments or assessments near the end of the semester. This is considered on a case by case basis. In all cases the student should be up-to-date with assignments and course material at the time the "I" is discussed. "I" is also used in cases of medical leave. An "I" is assigned with agreement between student and instructor about what is required to "clear" the I. 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

Assignments have deadlines. Homework, Dynamic Study Modules (DSMs) and Current Event assignments all have deadlines. Please note the deadline listed in the "to-do list" or in the week's module. Question of the Week (QW) will be due before class periods. They serve as a preliminary check-in before the week is over and quizzes open.

As a rule, **no make-up exams** will be given and a grade of 0 will be earned if an exam is missed. Ideally, students should contact the instructor prior to missing a scheduled examination in-person or by e-mail. An exam can be prepared early with enough advanced notice. Look, things happen. Should an exam be missed due to an exceptional situation beyond the student's control, the situation will be assessed on a case-by-case basis, but the instructor should be notified of the situation as soon as possible.

There are **no make-up quizzes**. There are no make-up quizzes (for emphasis). Most quizzes are offered online and have more than a couple days of availability. Quizzes allow more than 1 attempt in case of technology glitches. Also, there will be Bonus Quizzes to make up quiz points.

Academic Integrity

As a student you understand that your job is to earn a grade during the semester. Your academic career should be powered by your own learning, challenges, and understanding. Any work you submit should be your own thoughts, your own efforts expressed. Grades are not given, they are earned. Feel ownership over your submitted work. All work submitted by you should be completed by you. This includes online quizzes, and exams, and assignments. There are very few situations when copy-paste is a recommended tool to use in assignments. Answers should be a student's own explanation and phrasing. If cheating or plagiarism are caught in a quiz the student will received a "0" for the quiz and will be notified by the instructor. If cheating/academic dishonesty is discovered related to an exam the student will receive a "0" score on that exam and the situation will be document on the Student Conduct Form.

Exam Mode: Exams are not open book nor open resource. It is understood that students complete assessments with the knowledge and reasoning in their own mind. If cheating is discovered during/on an exam the student will receive a "0" score on that exam and the situation will be document on the Student Conduct Form.

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

Attendance Procedures

Even in an Online class attendance is important. Official attendance is recorded for this class just once at the beginning of the semester. However, "attending class" is one of the best ways to move toward success in this course. Attendance will include participation in discussion boards and completion of material in EagleOnline. While I am not constantly checking the logs for participation, I will get concerned after I see a few unattempted assignment/quizzes accumulate. I will reach out to check with

you to see if there is anything you need or an obstacle you are dealing with.

There is no magic number of hours of participation that is required, but here are some thoughts. This is a 3-credit hour class in Second Start term. That means you should plan on dedicating 7-8 hours each week on class-related items. This might be online, this might be offline. But if you aren't interacting with the materials in EagleOnline for at least 4 hours a week it's probably not enough and is one indicator about your likely performance.

The **withdraw deadline is April 12**, and is indicated on the Course Calendar. Students may choose to withdraw at any point before that deadline. Please communicate with me before choosing to withdraw. I would like a chance to talk it over with you and see if there are any strategies that might help your view of finishing the semester.

Students who stop participating in class and do not withdraw themselves prior to the withdrawal deadline may either be dropped by their professor for excessive absences or be assigned the final grade of "FX" at the end of the semester.

Religious Holidays: Please let me know at least 2 weeks in advance if you know you will miss class due to a religious holiday. See the student handbook for more information.

Student Conduct

It is important to me that all students feel comfortable exploring and expressing geoscience knowledge in class. Please be respectful of classmates and anyone presenting by keeping side conversations to a minimum. We all benefit from questions asked and listening to the answer. Please let me know if you feel bullied, threatened, or uncomfortable by any situation related to this class.

Instructor's Course-Specific Information

Add Content Here

Devices

This is an Online course. Yes, you have electronic devices. A webcam is not specifically required for this course, but there will be assignments that require a video response. The videos can be recorded with a computer webcam or with any other camera device and then uploaded/imbedded. Students may be asked to scan handwritten assignments. Some students may have actual flat-bed scanners but many do not. In EagleOnline I have description of some free apps to scan with smartphones/tablets.

Students will be required to use Respondus Lockdown Browser for assessments.

HCC students can find assistance acquiring technology here: <https://www.hccs.edu/applying-and-paying/financial-aid/additional-technology-related-resources-for-hcc-students/>

Office365

All HCC students, faculty, and staff have access to free downloads of Office365 software in addition to online use of the programs as well. This includes Word, Powerpoint, Excel, Outlook, OneDrive, OneNote, and more. Go to <https://www.office.com/> use your HCC system log-in information (it's your "work" account). Click Office 365 in the top bar and then "Install Office" button on the right side. I highly recommend using the OneDrive cloud storage available to you. Store all your files there to be accessible from anywhere you have internet access. Mobile device apps can be downloaded and connected to your HCC Office365 account as well. Everything is connected!

Faculty Statement about Student Success

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.

Faculty-Specific Information Regarding Canvas

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course materials. That means about 5-6 hours outside of class. The homework assignments and quizzes provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook or assigned documents
- Reviewing your notes and improving them each time you discover new connections.
- View lecture recordings.
- Reviewing course information like you are practicing a sport – frequently, little by little. Work on making the course material part of your brain’s “muscle memory”
- Success on assignments
- Participating in class activities
- Becoming more “fluent” in Earth Science and Oceanographic concepts.

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.

Students should follow the syllabus calendar so as to keep up with what topic or chapter will be discussed each week.

If possible, take the time to gather virtually with classmates for study sessions, note comparison, and exam preparation. Everyone learns better when you are together!

There is no short cut for success in this course. Anything you want to succeed at requires practice. Basketball? Piano playing? Ballet? Video games? You can’t just go do these things and think you’ll “rock it”, they all need practice. So, treat your courses this way too – build your skills during the semester for a successful final grade!

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.

HCC Policies and Information

HCC Grading System

HCC uses the following standard grading system:

Grade	Grade Interpretation	Grade Points
A	Excellent (90-100)	4

Grade	Grade Interpretation	Grade Points
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 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/>).

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>)

Resources for Students:

<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/>)

Student Basic Needs Application:

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

COVID-19

Here's the link to the HCC information about 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

This calendar will help you understand the topics covered each week and what assignments to work on. The first page of each week's module will also have a summary of expectations.

DSM = Dynamic Study Module, QW = Question of the Week discussion assignment

<i>WEEK (Mon date)</i>	<i>Topics/chapters for the week</i>	<i>assignments, activities</i>	<i>Assessments & reminders</i>
WEEK 1 Feb 14	START HERE module and Chap 1: Introduction to Planet Earth	Introduction to Planet Earth (DSM) every week a Question of the Week (QW)	Syllabus Quiz & Quiz #1
WEEK 2 Feb 21	Mon Feb 21 PRESIDENTS DAY (no class) Chap 2: Plate Tectonics and the Ocean Floor	(DSM) (QW) exercise 1: Dynamic Ocean floor	Quiz #2

<i>WEEK (Mon date)</i>	<i>Topics/chapters for the week</i>	<i>assignments, activities</i>	<i>Assessments & reminders</i>
WEEK 3 Feb 28	Chap 3: Marine Provinces	(DSM), (QW), exercise 2: Marine provinces Ocean News Report #1	Quiz #3
WEEK 4 Mar 7	Chap 4: Marine Sediments Chap 5: Water and Seawater	(DSM), (DSM) (QW) exercise 3: salinity & demonstration	Quiz #4 & Quiz #5, prepare for exam
	SPRING BREAK March 14-20		
WEEK 5 Mar 21	Chap 6: Air-Sea Interaction, Chap 7: Ocean Circulation	(DSM) (DSM), (QW) exercise 4: Ocean currents	Quiz #6 Thur-Fri: Exam #1 (chap 1-5)
WEEK 6 Mar 28	Chap 8: Waves and Water Dynamics Chap 9: Tides	(DSM), (DSM) (QW) Exercise #5: Waves Ocean News Report #2	Quiz #7
WEEK 7 Apr 4	Chapter 10: Beaches, Shoreline Processes and the Coastal Ocean	(DSM), (QW) exercise #6 shore + tides Beach: River of Sand	quiz #8 & quiz #9
	<i>Withdrawal deadline: APRIL 12, '22</i>		
WEEK 8 Apr 11	Chap 11: Marine Pollution	(DSM), (QW) Wrap up chap 6-11	Quiz #10 EXAM #2 (chap 6 – 11) (Mon Apr 18 - 19)
	SPRING HOLIDAY APR 15 – 17		
WEEK 9 Apr 18	Chap 12: Marine Life and the Environment, Chap 13: Biological Productivity and Energy Transfer	(DSM) (DSM) (QW) Ocean News Report #3 Marine career – team project due	Quiz #11 Climate of Change pre-quiz

<i>WEEK (Mon date)</i>	<i>Topics/chapters for the week</i>	<i>assignments, activities</i>	<i>Assessments & reminders</i>
WEEK 10 Apr 25	Climate of Change What Unit 1 – 3	Climate of Change What Unit 1 – 3 (QW)	Read Unit 5
WEEK 11 May 2	Climate of Change Unit 5 Wrap up Integrate Climate Change module Read Chap 16 (Oceans & Climate Change)	chap 16 (DSM) (QW) Wrap up semester – prepare for final!	Quiz #12 & Quiz #13 (Climate of Change)
FINALS	FINALS WEEK May 9 – 13	<i>Final Exam Tue May 10 - Wed May 11</i> Do not miss the cumulative final exam	

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. Changes are likely considering COVID protocol, hurricanes, flooding, power outage... it's Houston.

HCC calendar and holiday schedules are available at: <https://www.hccs.edu/student-experience/events-calendar/>

Additional Information

Departmental/Program Information

The Geology Program faculty are excited you are participating in this course! Please visit the LearningWeb page to find additional information about the HCC Geology A.S. degree plan, links to Geoscience programs across Texas, careers in Geosciences, Diversity in Geosciences, and program contact information.

<https://learning.hccs.edu/programs/geology> (<https://learning.hccs.edu/programs/geology>)

Completing the HCC Geology A.S. degree plan will satisfy the first two years of requirements for many University geoscience programs including core curriculum and prerequisites for upper-division courses.

HCC has many transfer agreements with Texas universities for geology and geoscience undergraduate degree paths. You can find the information about transfer agreements here: <https://www.hccs.edu/support-services/transfers/> (<https://www.hccs.edu/support-services/transfers/>)

Additionally, students can find more information about Science, Technology, Engineering, and Math (STEM) opportunities and events on the HCC STEM page: <https://www.hccs.edu/stem> (<https://www.hccs.edu/resources-for/current-students/stem--science-technology-engineering--mathematics/>)

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 Natural Science Department Chair, Dr. Cyril Anoka. The phone number is 713-718-5569

The Department of Natural Science can be contacted via phone 713-718-6050 or email natural.sciences@hccs.edu

The procedures for HCC student grievance are described at:

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